



EMI

SURFACE MOUNT PRODUCT GUIDE

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CTCB – Standard

Chip Beads – Multilayer

Description

Standard multilayer ferrite chip beads

Application Use

Noise suppression in computer peripherals, telecommunication equipment, data communication equipment and other consumer electronics.

Impedance (Ω)	Imp. Test Freq.
10 ~ 2200	100MHz (CTCB1206F-2025 @ 30MHz; CTCB1206F-1225 & -1525 @ 50MHz)

DCR (Ω)	IDC	Size (mm)
0.025 ~ 0.95	100mA ~ 1000mA	0402 (1005), 0603 (1608), English (Metric)0805 (2012), 1206 (3216), 1210 (3225), 1806 (4516)



CTCB – Medium Current

Chip Beads – Multilayer

Description

Medium current multilayer ferrite chip beads

Application Use

Noise suppression in computer peripherals, telecommunication equipment, data communication equipment and other consumer electronics.

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq.
7 ~ 2000	100MHz		

DCR (Ω)	IDC	Size (mm)
0.06 ~ 0.70	150mA ~ 1000mA	0603 (1608), 0805 (2012), English (Metric)1206 (3216)



CTCB – High Speed

Chip Beads – Multilayer

Description

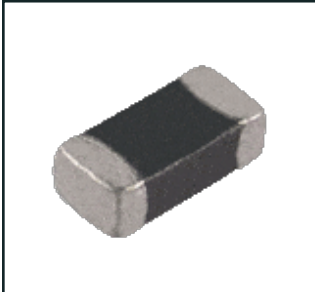
High speed multilayer ferrite chip beads

Application Use

Noise suppression in computer peripherals, telecommunication equipment, data communication equipment and other consumer electronics.

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq.
6 ~ 120	100MHz		

DCR (Ω)	IDC	Size (mm)
0.3 ~ 0.7	400mA ~ 800mA	0603 (1608), 0805 (2012), English (Metric)1206 (3216)



CTCTB – Power

Chip Beads – Multilayer

Description

Power multilayer ferrite chip beads

Application Use

Noise suppression in computer peripherals, telecommunication equipment, data communication equipment and other consumer electronics.

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq
10 ~ 1500	100MHz (CTCB1206F-102P, 122P & 152P @ 50MHz)		

DCR (Ω)	IDC	Size (mm)
0.01 ~ 0.40	500mA ~ 6000mA	0402 (1005), 0603 (1608), English (Metric)0805 (2012), 1206 (3216), 1210 (3225), 1806 (4516), 1812 (4532)



CTCTB – Ultra High Current

Chip Beads – Multilayer

Description

Ultra high current multilayer ferrite chip beads

Application Use

Noise suppression in computer peripherals, telecommunication equipment, data communication equipment and other consumer electronics.

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq
10 ~ 330	100MHz		

DCR (Ω)	IDC	Size (mm)
0.01 ~ 0.05	2000mA ~ 6000mA	0603 (1608), 0805 (2012), English (Metric)1206 (3216)



CTCBA1206F

Chip Beads – Multilayer

Description

Ferrite chip beads 4 line array

Application Use

Interfaces, notebook computers, LCD modules, portable electronics

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq
30 ~ 1000	100MHz		

DCR (Ω)	IDC	Size (mm)
0.2 ~ 0.75	150mA ~ 500mA	1206 (3216), English (Metric)



CT274

Chip Bead – Wire-wound

Description

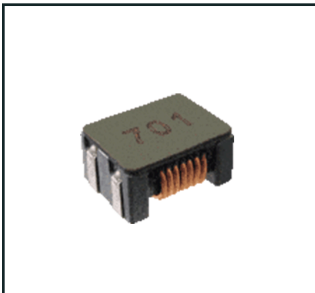
SMD ferrite chips

Application Use

Noise suppression in computer peripherals, telecommunication equipment, data communication equipment and other consumer electronics.

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq
23 ~ 80	25MHz/100MHz		

DCR (Ω)	IDC	Size (mm)
0.6m ~ 0.9m		CT2743019447F (xx-0693019447F) = 5.1L x 3.05W x 2.85H CT2743021447F (xx-0693021447F) = 9.6L x 3.05W x 2.85H



CTACM

Wire-wound Common Mode / Filters

Description

SMD common mode chokes

Application Use

LAN's, telephones, personal computers, CD-ROM drives, electronic games.

Impedance (Ω)	Imp. Test Freq.	DCR (Ω)
225 ~ 1500	100MHz	0.004 ~ 0.015

Size (mm)
CTACM7060F (xx-473F-7060) = 7.0L x 6.0W x 4.0H CTACM8080F (xx-473F-8080) = 8.9L x 8.3W x 5.0H CTACM9070F (xx-473F-9070) = 9.0L x 7.0W x 5.0H CTACM1211F (xx-473F-1211) = 12.0L x 11.0W x 6.0H CTACM1513F (xx-473F-1513) = 15.0L x 13.0W x 6.0H



CTCMC0905F

Wire-wound Common Mode / Filters

Description

SMD common mode chokes

Application Use

LAN's, telephones, personal computers, CD-ROM drives, electronic games.

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq
		10 μ H ~ 6500 μ H	10 μ H ~ 50 μ H @ 1.0kHz; 250 μ H ~ 6500 μ H @ 100kHz

DCR (Ω)	IDC	Rated Current	Size (mm)
0.08 ~ 1.05			9.2L x 6.0W x 5.0H



CTCM01F

Wire-wound Common Mode / Filters

Description

SMD common mode chokes

Application Use

USB line for personal computers and peripherals, IEEE 1394 line for personal computers, DVC, STB, LVDS, panel line for liquid display panels, graph cards.

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq.
60 ~ 160	100MHz		

DCR (Ω)	IDC	Rated Current	Size (mm)
0.25 ~ 0.43	160mA ~ 300mA		1.25L x 1.00W x 0.8H



CTDLW5BF

Wire-wound Common Mode / Filters

Description

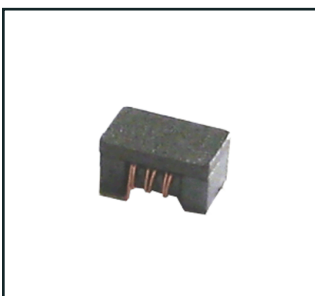
SMD common mode chokes

Application Use

Ideal for DC power lines in AC adapters of portable equipment.

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq.
190 ~ 3000	100MHz		

DCR (Ω)	IDC	Rated Current	Size (mm)
0.02 ~ 0.30		0.5A ~ 5.0A	5.0L x 4.7W x 4.5H



CTDLW21SF

Wire-wound Common Mode / Filters

Description

SMD common mode choke coils for signal lines

Application Use

Suitable for radiation noise suppression for any electronic devices. Used to counter common mode noise interference within high-speed signal lines. Applications like: USB2.0 line for personal computers and peripheral devices, IEEE1394 line for personal computers, DVC and LVDS panel link

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq.
30 ~ 370	100MHz		

DCR (Ω)	IDC	Rated Current	Size (mm)
0.20 ~ 0.45		280mA ~ 450mA	2.05L x 1.25W x 1.20H



CTDLW31SF

Wire-wound Common Mode / Filters

Description

SMD common mode choke coils for signal lines

Application Use

Suitable for radiation noise suppression for any electronic devices. Used to counter common mode noise interference within high-speed signal lines. Applications like: USB2.0 line for personal computers and peripheral devices, IEEE1394 line for personal computers, DVC and LVDS panel link

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq.
90 ~ 600	100MHz		

DCR (Ω)	IDC	Rated Current	Size (mm)
0.30 ~ 0.80		260mA ~ 400mA	3.2L x 1.6W x 2.0H



CTDLW43SF

Wire-wound Common Mode / Filters

Description

SMD common mode chip inductors

Application Use

EMI suppression for data and signal lines, CAN Bus, telecom devices, consumer electronics

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq.
		11 μ H ~ 100 μ H	100kHz

DCR (Ω)	IDC	Rated Current	Size (mm)
0.6 ~ 2.0	150mA ~ 250mA		4.5L x 3.2W x 2.8H



CTDR0904F

Wire-wound Common Mode / Filters

Description

SMD data line chokes

Application Use

For the suppression of EMI in data and signal lines, e.g. CAN Bus

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq.
		11 μ H ~ 4700 μ H	100kHz

DCR (Ω)	IDC	Rated Current	Size (mm)
0.10 ~ 0.70		0.2A ~ 0.5A	9.0L x 5.4W x 4.7H



CTDLFF

Wire-wound Common Mode / Filters

Description

SMD data line EMI filters

Application Use

LAN's, telephones, personal computers, electronic games.

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq
		5.0 μ H	1.0MHz
DCR (Ω)	IDC	Rated Current	Size (mm)
0.20 ~ 0.25		0.1A ~ 0.5A	7.6L x 5.7W x 4.0H



CTMSRS1260F

Wire-wound Common Mode / Filters

Description

SMD shielded common mode choke

Application Use

Widely used in buck converters, flyback, SEPIC, laptops, network communication equipment

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq
		3.3 μ H ~ 1000 μ H	100kHz
DCR (Ω)	IDC	Rated Current	Size (mm)
			12.0L x 12.0W x 6.0H



CTMSRS1514F

Wire-wound Common Mode / Filters

Description

SMD shielded common mode choke

Application Use

Widely used in buck converters, flyback, SEPIC, laptops, network communication equipment

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq
		22 μ H ~ 1000 μ H	100kHz
DCR (Ω)	IDC	Rated Current	Size (mm)
			15.5L x 15.5W x 14.2H

**CTDRQ125F**

Wire-wound Common Mode / Filters

Description

SMD shielded dual wound inductor/transformer

Application Use

As a SEPIC or flyback transformer. As a buck, boost or coupled inductor. DC/DC converters. VRM inductor for CPU and DDR power supplies. Input and output filter chokes.

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq
		0.47 μ H ~ 1000 μ H	100kHz

DCR (Ω)	IDC	Rated Current	Size (mm)
			12.5L x 12.5W x 6.0H

**CTDRQ127F**

Wire-wound Common Mode / Filters

Description

SMD shielded dual wound inductor/transformer

Application Use

As a SEPIC or flyback transformer. As a buck, boost or coupled inductor. DC/DC converters. VRM inductor for CPU and DDR power supplies. Input and output filter chokes.

Impedance (Ω)	Imp. Test Freq.	Inductance	Ind. Test Freq
		0.47 μ H ~ 1000 μ H	100kHz

DCR (Ω)	IDC	Rated Current	Size (mm)

ANTENNAS

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CTCA1608F500

Multilayer Chip Antennas

Description

Description: Low temperature co-fired ceramics (LTCC) multilayer chip antenna

Application Use

Applications: WLAN, home RF, Bluetooth modules.

Impedance (Ω)	Imp. Test Freq	Peak Gain	Size (mm)
50	2.4GHz	2-3 dBi	1.6L x 0.8W x 0.5H

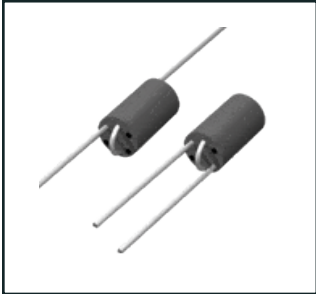


EMI

THROUGH HOLE PRODUCT GUIDE

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CTWBF

Wide Band Chokes

Description

Description: Wide band wirewound beads

Application Use

Applications: Used for EMI and RA filtering applications. Also used in RF circuits to subdue “parasitic oscillation” at VHF and UHF.

Impedance (Ω)	Imp. Test Freq.
375 ~ 1140>>	1.0MHz

LAN FILTERS

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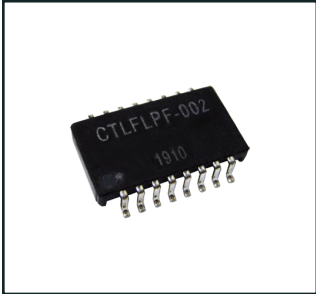
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CTLFLPF

10/100 Base-Tx

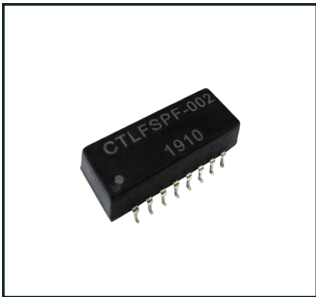
Description

Lan Filter 10/100 Base-Tx

Application Use

PC card, LAN magnetics modules

Operating Temp	Pins	Hi-Pot	Size (mm)
0°C to 70°C	12pin & 16pin	1500Vrms	See spec sheet for Size (mm) details



CTLFSPF

10/100 Base-Tx

Description

Lan Filter 10/100 Base-Tx

Application Use

PC card, LAN magnetics modules

Operating Temp	Pins	Hi-Pot	Size (mm)
0°C to 70°C	16pin	1500Vrms	25.55L x 9.9W x 7.1H



CTLFAMMF

10/100 Base-Tx

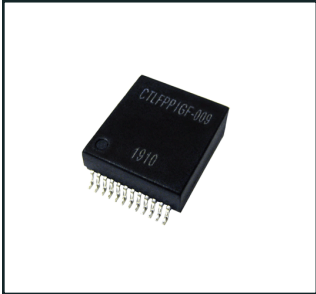
Description

Lan Filter 10/100 Base-Tx for auto MDI/MDIX

Application Use

PC card, LAN magnetics modules

Operating Temp	Pins	Hi-Pot	Size (mm)
-40°C to +85°C	40pin	1500Vrms	28.58L x 12.5W x 5.85H



CTLFPP1GF

1 Gigabit Ethernet

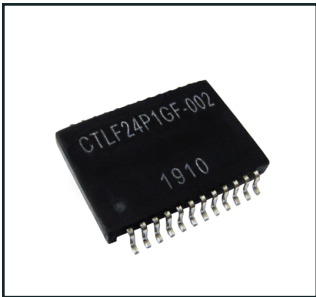
Description

Lan Filter 10/100/1000 Base-Tx, PoE & PoE+

Application Use

Suitable for End-span and Mid-span PoE applications. Designed for IP phone or switch applications.

Operating Temp	Pins	Hi-Pot	Size (mm)
0°C to 70°C		1500Vrms	See spec sheet for Size (mm) details



CTLF24P1GF

1 Gigabit Ethernet

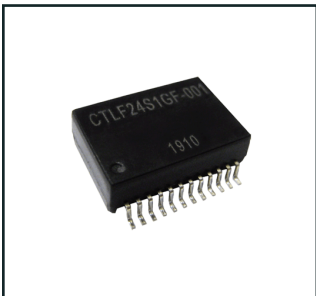
Description

Lan Filter 10/100/1000 Base-Tx

Application Use

Designed for long haul Gigabit Ethernet 10/100/1000 Base-T, full duplex applications.

Operating Temp	Pins	Hi-Pot	Size (mm)
0°C to 70°C	24pin	1500Vrms	See spec sheet for Size (mm) details



CTLF24S1GF

1 Gigabit Ethernet

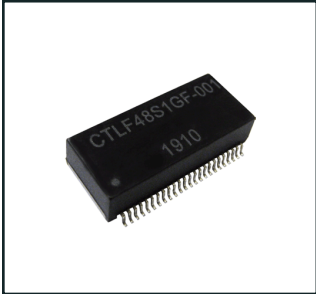
Description

Lan Filter 10/100/1000 Base-Tx

Application Use

Designed for long haul Gigabit Ethernet 10/100/1000 Base-T, full duplex applications.

Operating Temp	Pins	Hi-Pot	Size (mm)
-40°C to 85°C	24pin	1500Vrms	18.38L x 12.44W x 6.45H



CTLF48S1GF

1 Gigabit Ethernet

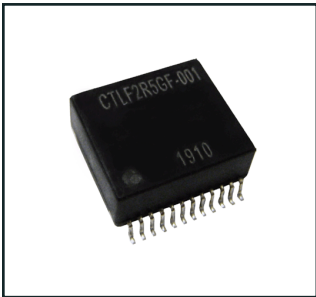
Description

Lan Filter 10/100/1000 Base-Tx

Application Use

Designed to support 1:1 turn ratio transceiver, ethernet 10/100/1000 Base-T applications.

Operating Temp	Pins	Hi-Pot	Size (mm)
-40°C to +85°C	48pin	1500Vrms	27.81L x 12.19W x 7.24H



CTLF2R5GF

2.5 Gigabit Ethernet

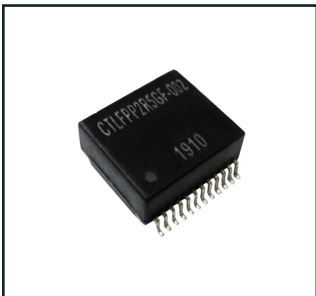
Description

Lan Filter 2.5G Base-T

Application Use

Designed for long haul Gigabit 2.5G Base-T, full duplex applications.

Operating Temp	Pins	Hi-Pot	Size (mm)
0°C to 70°C	24pin	1500Vrms	13.64L x 12.07W x 6.22H



CTLFPP2R5GF

2.5 Gigabit Ethernet

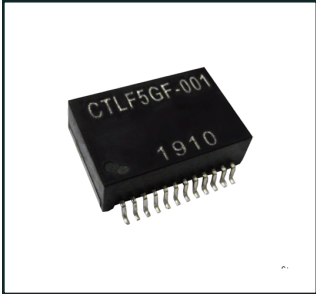
Description

Lan Filter 2.5G Base-T, PoE & PoE+

Application Use

Designed for long haul Gigabit 2.5G Base-T, full duplex applications.

Operating Temp	Pins	Hi-Pot	Size (mm)
0°C to 70°C	24pin	1500Vrms	See spec sheet for Size (mm) details



CTLF5GF

5 Gigabit Ethernet

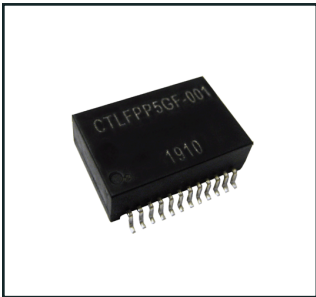
Description

Lan Filter 5G Base-T

Application Use

Designed for long haul Gigabit Ethernet 5G Base-T, full duplex applications.

Operating Temp	Pins	Hi-Pot	Size (mm)
0°C to 70°C	24pin	1500Vrms	18.38L x 12.44W x 6.45H



CTLFPP5GF

5 Gigabit Ethernet

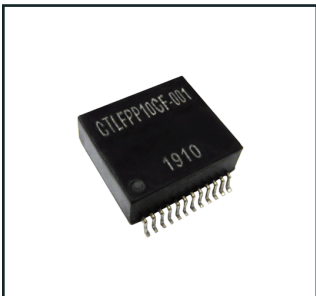
Description

Lan Filter 5G Base-T, PoE & PoE+

Application Use

Designed for long haul Gigabit Ethernet 5G Base-T, full duplex applications.

Operating Temp	Pins	Hi-Pot	Size (mm)
0°C to 70°C	24pin	1500Vrms	18.38L x 12.44W x 6.45H



CTLFPP10GF

10 Gigabit Ethernet

Description

Lan Filter 10G Base-T, PoE & PoE+

Application Use

Designed for long haul Gigabit Ethernet 10G Base-T, full duplex applications.

Operating Temp	Pins	Hi-Pot	Size (mm)
0°C to 70°C	24pin	1500Vrms	13.65L x 11.95W x 6.25H



CTLF10GDF

10 Gigabit Ethernet

Description

Lan Filter 10G Base-T, Dual Port

Application Use

Designed for Ethernet 10G Base-T applications.

Operating Temp	Pins	Hi-Pot	Size (mm)
0°C to 70°C	48pin	1500Vrms	27.81L x 15.24W x 7.24H

POWER MAGNETICS

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CTMPC100805F

Metal Molded Inductors

Description

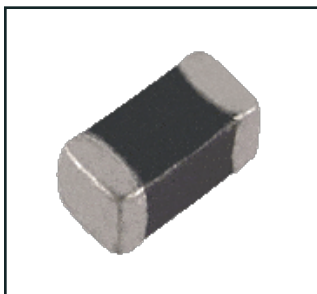
SMD shielded molded power inductors

Application Use

Smartphone, tablet PC, hard disk for Ultrabook, LTE module, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.33 μ H ~ 2.2 μ H	2.0MHz	35 ~ 115	

IDC	Isat	Irms	Size (mm)
	3.3A ~ 6.8A	2.0A ~ 4.0A	2.5L x 2.0W x 1.2H



CTMPH060303F

Metal Molded Inductors

Description

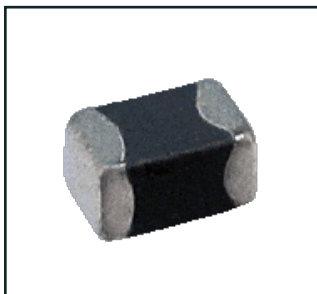
SMD shielded molded power inductors

Application Use

Smartphone, tablet PC, hard disk for Ultrabook, DC/DC converters, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.24 μ H ~ 0.47 μ H	2.0MHz	54 ~ 100	

IDC	Isat	Irms	Size (mm)
	2.2A ~ 3.2A	1.6A ~ 2.6A	1.6L x 0.8W x 0.8H



CTMPH080503F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smartphone, tablet PC, hard disk for Ultrabook, DC/DC converters, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.24 μ H ~ 0.47 μ H	2.0MHz	25 ~ 48	

IDC	Isat	Irms	Size (mm)
	3.2A ~ 4.8A	3.0A ~ 4.2A	2.0L x 1.25W x 0.8H



CTMPH080504F

Metal Molded Inductors

Description

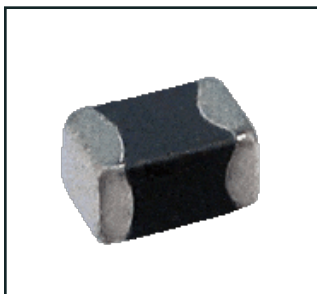
SMD shielded molded power inductors

Application Use

Smartphone, tablet PC, hard disk for Ultrabook, DC/DC converters, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.24 μ H ~ 2.2 μ H	2.0MHz	28 ~ 176	

IDC	Isat	Irms	Size (mm)
	1.6A ~ 4.5A	1.4A ~ 3.7A	2.0L x 1.25W x 1.0H



CTMPH080603F

Metal Molded Inductors

Description

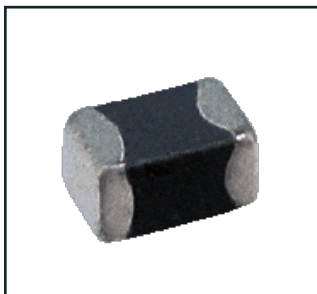
SMD shielded molded power inductors

Application Use

Smartphone, tablet PC, hard disk for Ultrabook, DC/DC converters, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 1.5 μ H	2.0MHz	87 ~ 115	

IDC	Isat	Irms	Size (mm)
	2.0A ~ 2.5A	2.1A ~ 2.3A	2.0L x 1.6W x 0.8H



CTMPH080604F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smartphone, tablet PC, hard disk for Ultrabook, DC/DC converters, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.24 μ H ~ 2.2 μ H	2.0MHz	27 ~ 135	

IDC	Isat	Irms	Size (mm)
	2.4A ~ 5.6A	1.8A ~ 3.9A	2.0L x 1.6W x 1.0H



CTMPH100804F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smartphone, tablet PC, hard disk for Ultrabook, DC/DC converters, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.24 μ H ~ 2.2 μ H	2.0MHz	18 ~ 97	

IDC	Isat	Irms	Size (mm)
	2.5A ~ 8.0A	2.2A ~ 5.5A	2.5L x 2.0W x 1.0H



CTMPH100805F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smartphone, tablet PC, hard disk for Ultrabook, DC/DC converters, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.24 μ H ~ 4.7 μ H	2.0MHz	15 ~ 215	

IDC	Isat	Irms	Size (mm)
	1.9A ~ 9.0A	1.5A ~ 6.2A	2.5L x 2.0W x 1.2H



CTMPH121004F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smartphone, tablet PC, hard disk for Ultrabook, DC/DC converters, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.24 μ H ~ 2.2 μ H	2.0MHz	16 ~ 85	

IDC	Isat	Irms	Size (mm)
	3.0A ~ 9.0A	2.5A ~ 6.0A	3.2L x 2.5W x 1.0H



CTMPH121005F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smartphone, tablet PC, hard disk for Ultrabook, DC/DC converters, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 2.2 μ H	2.0MHz	25 ~ 73	

IDC	Isat	Irms	Size (mm)
	3.5A ~ 7.0A	2.7A ~ 4.6A	3.2L x 2.5W x 1.2H



CTMPH121010F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smartphone, tablet PC, hard disk for Ultrabook, DC/DC converters, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 4.7 μ H	2.0MHz	34 ~ 100	

IDC	Isat	Irms	Size (mm)
	3.3A ~ 6.0A	2.2A ~ 3.5A	3.2L x 2.5W x 2.5H



CTMPE080503F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smartphones, tablets, wearable devices, PC peripheral devices, camcorders, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H	2.0MHz	35	

IDC	Isat	Irms	Size (mm)
	3.9A	3.5A	2.0L x 1.25W x 0.8H



CTMPE080603F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smartphones, tablets, wearable devices, PC peripheral devices, camcorders, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 1.0 μ H	2.0MHz	24 ~ 48	

IDC	Isat	Irms	Size (mm)
	3.8A ~ 4.7A	3.7A ~ 4.0A	2.0L x 1.6W x 0.8H



CTMPE100804F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smartphones, tablets, wearable devices, PC peripheral devices, camcorders, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H	2.0MHz	30	

IDC	Isat	Irms	Size (mm)
	4.7A	4.2A	2.5L x 2.0W x 1.0H



CTXAL4020F

Metal Molded Inductors

Description

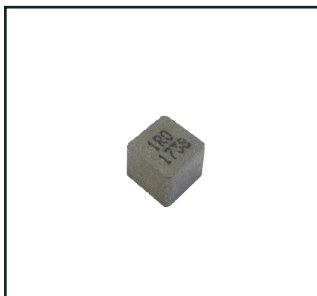
SMD shielded molded power inductors

Application Use

Ideal for VRM/VRD applications.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.10 μ H ~ 2.2 μ H	100kHz	2.42 ~ 38.7	

IDC	Isat	Irms	Size (mm)
	6.0A ~ 33A	5.6A ~ 18A	4.1L x 4.1W x 1.9H



CTXAL5030F

Metal Molded Inductors

Description

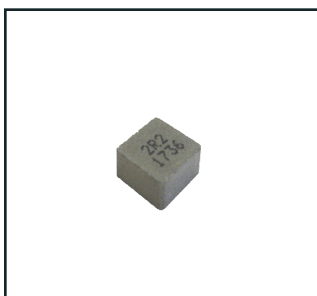
SMD shielded molded power inductors

Application Use

Ideal for VRM/VRD applications.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.15 μ H ~ 4.7 μ H	100kHz	2.31 ~ 36.3	

IDC	Isat	Irms	Size (mm)
	7.0A ~ 32.5A	5.9A ~ 22.2A	5.3L x 5.5W x 2.9H



CTXAL6030F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Ideal for VRM/VRD applications.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.18 μ H ~ 4.5 μ H	100kHz	1.75 ~ 25.3	

IDC	Isat	Irms	Size (mm)
	8.0A ~ 36A	7.0A ~ 32A	6.4L x 6.6W x 2.8H ~ 2.9H



CTIHLP1304AF

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 10 μ H	100kHz	30 ~ 550	

IDC	Isat	Irms	Size (mm)
	1.4A ~ 7.2A	1.0A ~ 5.0A	3.2L x 3.5W x 1.0H



CTIHLP1604AF

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.10 μ H ~ 10 μ H	100kHz	5.5 ~ 463	

IDC	Isat	Irms	Size (mm)
	1.4A ~ 25A	1.3A ~ 11.5A	4.06L x 4.45W x 1.0H



CTIHLP1805F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.22 μ H ~ 4.7 μ H	100kHz	12 ~ 195	

IDC	Isat	Irms	Size (mm)
	2.8A ~ 11.5A	1.8A ~ 8.5A	4.1L x 4.6W x 1.2H



CTIHLP1806F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 4.7 μ H	100kHz	42 ~ 146	

IDC	Isat	Irms	Size (mm)
	4.0A ~ 7.0A	2.0A ~ 4.0A	4.1L x 4.6W x 1.5H



CTIHLP1808F

Metal Molded Inductors

Description

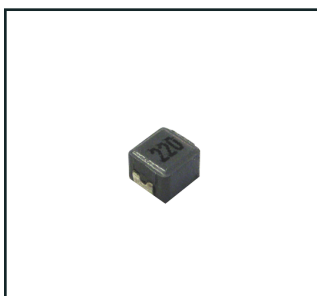
SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.10 μ H ~ 10 μ H	100kHz	4.0 ~ 258	

IDC	Isat	Irms	Size (mm)
	2.0A ~ 25A	1.6A ~ 12A	4.1L x 4.6W x 2.0H



CTIHLP1808AF

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.10 μ H ~ 22 μ H	100kHz	4.0 ~ 500	

IDC	Isat	Irms	Size (mm)
	1.4A ~ 35A	1.2A ~ 13.5A	4.06L x 4.45W x 1.8H



CTIHLP2205AF

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 3.3 μ H	100kHz	46.5 ~ 103	

IDC	Isat	Irms	Size (mm)
	5.0A ~ 10.2A	2.8A ~ 4.4A	5.18L x 5.49W x 1.2H



CTIHLP2205F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.2μH ~ 6.8μH	100kHz	76 ~ 250	

IDC	Isat	Irms	Size (mm)
	2.3A ~ 4.0A	2.0A ~ 3.5A	5.4L x 5.7W x 1.2H



CTIHLP2206F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.68μH ~ 10μH	100kHz	23 ~ 195	

IDC	Isat	Irms	Size (mm)
	2.0A ~ 10A	1.5A ~ 6.0A	5.4L x 5.7W x 1.5H



CTIHLP2207F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47μH ~ 10μH	100kHz	9.0 ~ 155	

IDC	Isat	Irms	Size (mm)
	3.0A ~ 15.5A	2.5A ~ 10.5A	5.4L x 5.7W x 1.8H



CTIHLP2208F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 10 μ H	100kHz	30 ~ 180	

IDC	Isat	Irms	Size (mm)
	4.0A ~ 7.0A	2.3A ~ 6.0A	5.4L x 5.7W x 1.8H



CTIHLP2212F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.20 μ H ~ 10 μ H	100kHz	3.9 ~ 126	

IDC	Isat	Irms	Size (mm)
	4.5A ~ 14.5A	2.5A ~ 17A	5.4L x 5.7W x 3.0H



CTIHLP2012BF

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.33 μ H ~ 10 μ H	100kHz	6.3 ~ 180	

IDC	Isat	Irms	Size (mm)
	3.4A ~ 21.3A	2.3A ~ 12A	5.2L x 5.7W x 1.8H



CTIHLP2012CF

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.33 μ H ~ 10 μ H	100kHz	5.0 ~ 128	

IDC	Isat	Irms	Size (mm)
	3.5A ~ 18A	2.75A ~ 14A	5.2L x 5.5W x 2.8H



CTIHLP2905F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 6.8 μ H	100kHz	25 ~ 140	

IDC	Isat	Irms	Size (mm)
	4.0A ~ 9.0A	2.5A ~ 5.5A	6.6L x 7.3W x 1.3H



CTIHLP2906F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 6.8 μ H	100kHz	17 ~ 110	

IDC	Isat	Irms	Size (mm)
	3.5A ~ 10A	2.8A ~ 7.0A	6.6L x 7.3W x 1.6H



CTIHLP2909F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.22 μ H ~ 15 μ H	100kHz	3.2 ~ 160	

IDC	Isat	Irms	Size (mm)
	3.3A ~ 34A	2.5A ~ 21A	6.6L x 7.3W x 2.4H



CTIHLP2912F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.1 μ H ~ 10 μ H	100kHz	1.7 ~ 68	

IDC	Isat	Irms	Size (mm)
	5.5A ~ 60A	4.0A ~ 32.5A	6.6L x 7.3W x 3.0H



CTIHLP2707F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.33 μ H ~ 4.7 μ H	200kHz	7.0 ~ 78	

IDC	Isat	Irms	Size (mm)
	5.5A ~ 18A	3.0A ~ 12A	6.8L x 7.3W x 1.8H



CTIHLP2709F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 10 μ H	200kHz	6.5 ~ 129	

IDC	Isat	Irms	Size (mm)
	5.0A ~ 21A	2.5A ~ 13.5A	6.8L x 7.3W x 2.4H



CTIHLP2712F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.22 μ H ~ 22 μ H	200kHz	3.1 ~ 230	

IDC	Isat	Irms	Size (mm)
	3.0A ~ 34A	2.0A ~ 22A	6.8L x 7.3W x 3.0H



CTIHLP73VCZF

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

High density DC/DC converters, POL converters, high current VRM/VRD for notebooks, servers, desktop CPU's, high speed chargers.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.10 μ H ~ 33 μ H	100kHz	1.5 ~ 270	

IDC	Isat	Irms	Size (mm)
	3.0A ~ 45A	2.0A ~ 37A	6.6L x 7.3W x 3.0H



CTIHLP2818AF

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47μH ~ 22μH	100kHz	3.9 ~ 170	

IDC	Isat	Irms	Size (mm)
	5.5A ~ 30A	2.5A ~ 22A	6.6L x 7.3W x 4.8H



CTIHLP4016F

Metal Molded Inductors

Description

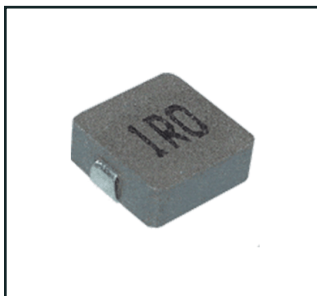
SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.56μH ~ 100μH	200kHz	2.5 ~ 385	

IDC	Isat	Irms	Size (mm)
	3.0A ~ 40A	3.0A ~ 22A	10.2L x 11.5W x 4.0H



CTIHLP104F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

High density DC/DC converters, POL converters, high current VRM/VRD for notebooks, servers, desktop CPU's, high speed chargers.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.36μH ~ 1.5μH	100kHz	1.2 ~ 4.2	

IDC	Isat	Irms	Size (mm)
	22A ~ 42A	16A ~ 34A	10.1L x 11.6W x 4.0H



CTIHLP104SF

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

High density DC/DC converters, POL converters, high current VRM/VRD for notebooks, servers, desktop CPU's, high speed chargers.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.2 μ H ~ 4.7 μ H	100kHz	7.0 ~ 16	

IDC	Isat	Irms	Size (mm)
	12A ~ 16A	10A ~ 14A	10.0L x 11.6W x 4.0H



CTIHLP125F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

High density DC/DC converters, POL converters, high current VRM/VRD for notebooks, servers, desktop CPU's, high speed chargers.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.36 μ H ~ 2.2 μ H	100kHz	0.90 ~ 5.2	

IDC	Isat	Irms	Size (mm)
	22A ~ 50A	20A ~ 43A	10.0L x 11.6W x 4.0H



CTIHLP5015F

Metal Molded Inductors

Description

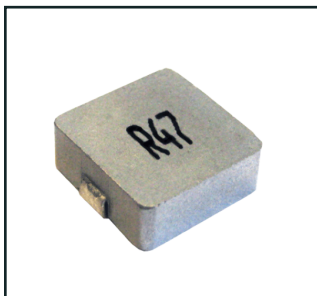
SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 10 μ H	200kHz	2.0 ~ 34	

IDC	Isat	Irms	Size (mm)
	12A ~ 55A	7.0A ~ 32A	Size (mm) (R47M ~ 1R0M):12.9L x 14.0W x 3.8H Size (mm) (3R3M ~ 100M):12.9L x 13.8W x 3.8H



CTIHLP5020F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 10 μ H	100kHz	1.2 ~ 35	

IDC	Isat	Irms	Size (mm)
	13A ~ 46A	7.0A ~ 37A	12.6L x 13.8W x 5.0H



CTIHLP5024F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
10 μ H ~ 33 μ H	100kHz	20.7 ~ 75	

IDC	Isat	Irms	Size (mm)
	6.0A ~ 12.5A	4.0A ~ 10A	12.6L x 13.8W x 6.0H



CTIHLP5026F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

PDA, Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.2 μ H ~ 22 μ H	200kHz	4.2 ~ 45	

IDC	Isat	Irms	Size (mm)
	8.0A ~ 33A	5.0A ~ 20A	12.9L x 13.8W x 6.7H



CTIHLP6826AF

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Notebook, desktop, server applications, low profile, high current power supplies, battery powered devices, DC/DC converter for Field Programmable Gate Array (FPGA).

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.2 μ H ~ 100 μ H	100kHz	2.7 ~ 118	

IDC	Isat	Irms	Size (mm)
	12A ~ 62A	5.3A ~ 43.5A	16.9L x 17.3W x 6.7H



CTIHLP8751F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

DC/DC converters, high current POL converters, servers and solar inverters, industrial lighting and industrial power supplies

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 100 μ H	100kHz	0.67 ~ 39.4	

IDC	Isat	Irms	Size (mm)
	7.0A ~ 100A	9.1A ~ 80A	22.0L x 22.5W x 13H



CTSPMA3010F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smart phones, notebook PC's, tablets, HDD's, servers, VRM's, compact power supply modules

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 4.7 μ H	100kHz	26.5 ~ 215	

IDC	Isat	Irms	Size (mm)
	1.8A ~ 6.2A	1.5A ~ 5.0A	3.4L x 3.4W x 1.0H



CTSPMA3012F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smart phones, notebook PC's, tablets, HDD's, servers, VRM's, compact power supply modules

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 4.7 μ H	100kHz	17.8 ~ 210	

IDC	Isat	Irms	Size (mm)
	2.1A ~ 7.2A	1.6A ~ 5.9A	3.4L x 3.4W x 1.2H



CTSPMA3015F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smart phones, notebook PC's, tablets, HDD's, servers, VRM's, compact power supply modules

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 4.7 μ H	100kHz	12.3 ~ 152	

IDC	Isat	Irms	Size (mm)
	2.3A ~ 7.2A	2.0A ~ 8.0A	3.4L x 3.4W x 1.5H



CTSPMA3020F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smart phones, notebook PC's, tablets, HDD's, servers, VRM's, compact power supply modules

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 4.7 μ H	100kHz	14.6 ~ 156	

IDC	Isat	Irms	Size (mm)
	2.6A ~ 10.8A	1.9A ~ 6.6A	3.4L x 3.4W x 2.0H



CTSPMA4010F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smart phones, notebook PC's, tablets, HDD's, servers, VRM's, compact power supply modules

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 10 μ H	100kHz	35.3 ~ 350	

IDC	Isat	Irms	Size (mm)
	1.4A ~ 8.2A	1.1A ~ 4.6A	4.4L x 4.4W x 1.0H



CTSPMA4012F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smart phones, notebook PC's, tablets, HDD's, servers, VRM's, compact power supply modules

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 10 μ H	100kHz	15.3 ~ 250	

IDC	Isat	Irms	Size (mm)
	1.6A ~ 12A	1.5A ~ 6.8A	4.4L x 4.4W x 1.2H



CTSPMA4015F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smart phones, notebook PC's, tablets, HDD's, servers, VRM's, compact power supply modules

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 10 μ H	100kHz	11.3 ~ 230	

IDC	Isat	Irms	Size (mm)
	1.8A ~ 12A	1.6A ~ 8.3A	4.4L x 4.4W x 1.5H



CTSPMA4020F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smart phones, notebook PC's, tablets, HDD's, servers, VRM's, compact power supply modules

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 10 μ H	100kHz	8.9 ~ 235	

IDC	Isat	Irms	Size (mm)
	2.4A ~ 16A	1.5A ~ 9.4A	4.4L x 4.4W x 2.0H



CTSPMA5010F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smart phones, notebook PC's, tablets, HDD's, servers, VRM's, compact power supply modules

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 10 μ H	100kHz	38 ~ 335	

IDC	Isat	Irms	Size (mm)
	1.8A ~ 9.4A	1.3A ~ 4.5A	5.4L x 5.4W x 1.0H



CTSPMA5012F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smart phones, notebook PC's, tablets, HDD's, servers, VRM's, compact power supply modules

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 10 μ H	100kHz	14.9 ~ 200	

IDC	Isat	Irms	Size (mm)
	2.1A ~ 12.6A	1.8A ~ 7.2A	5.4L x 5.4W x 1.2H



CTSPMA5015F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smart phones, notebook PC's, tablets, HDD's, servers, VRM's, compact power supply modules

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 10 μ H	100kHz	11.2 ~ 164	

IDC	Isat	Irms	Size (mm)
	2.7A ~ 12.5A	2.1A ~ 8.5A	5.4L x 5.4W x 1.5H



CTSPMA5020F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smart phones, notebook PC's, tablets, HDD's, servers, VRM's, compact power supply modules

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 10 μ H	100kHz	7.2 ~ 152	

IDC	Isat	Irms	Size (mm)
	3.6A ~ 18A	2.1A ~ 11.2A	5.4L x 5.4W x 2.0H



CTSPMA6010F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smart phones, notebook PC's, tablets, HDD's, servers, VRM's, compact power supply modules

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 10 μ H	100kHz	41.2 ~ 240	

IDC	Isat	Irms	Size (mm)
	2.2A ~ 9.4A	1.7A ~ 4.2A	7.1L x 7.1W x 1.0H



CTSPMA6012F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smart phones, notebook PC's, tablets, HDD's, servers, VRM's, compact power supply modules

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 10 μ H	100kHz	17.1 ~ 157	

IDC	Isat	Irms	Size (mm)
	2.7A ~ 13.8A	2.4A ~ 7.0A	7.1L x 7.1W x 1.2H



CTSPMA6015F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smart phones, notebook PC's, tablets, HDD's, servers, VRM's, compact power supply modules

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 10 μ H	100kHz	8.8 ~ 120	

IDC	Isat	Irms	Size (mm)
	3.3A ~ 18A	2.7A ~ 11.2A	7.1L x 7.1W x 1.5H



CTSPMA6020F

Metal Molded Inductors

Description

SMD shielded molded power inductors

Application Use

Smart phones, notebook PC's, tablets, HDD's, servers, VRM's, compact power supply modules

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 10 μ H	100kHz	5.5 ~ 96	

IDC	Isat	Irms	Size (mm)
	4.4A ~ 21A	3.2A ~ 13.9A	7.1L x 7.1W x 2.0H



CTMLP080504AF

Multilayer Inductors

Description

SMD multilayer power chip inductor, magnetically shielded

Application Use

Cellular phones, power modules, DC/DC converters, digital cameras, DVD, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0μH ~ 4.7μH	1MHz	0.18 ~ 0.35	600mA ~ 1100A

IDC	Isat	Irms	Size (mm)
			2.0L x 1.25W x 1.0H



CTMLP080504BF

Multilayer Inductors

Description

SMD multilayer power chip inductor, magnetically shielded

Application Use

Cellular phones, power modules, DC/DC converters, digital cameras, DVD, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47μH ~ 4.7μH	3MHz	0.09 ~ 0.26	

IDC	Isat	Irms	Size (mm)
	200mA ~ 1100mA	700mA ~ 1300mA	2.0L x 1.25W x 1.0H



CTMLP080504CF

Multilayer Inductors

Description

SMD multilayer power chip inductor, magnetically shielded

Application Use

Cellular phones, power modules, DC/DC converters, digital cameras, DVD, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.24μH ~ 2.2μH	3MHz	0.03 ~ 0.125	

IDC	Isat	Irms	Size (mm)
	500mA ~ 2700mA	1600mA ~ 2400mA	2.0L x 1.25W x 1.0H



CTMLP080604BF

Multilayer Inductors

Description

SMD multilayer power chip inductor, magnetically shielded

Application Use

Cellular phones, power modules, DC/DC converters, digital cameras, DVD, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.24 μ H ~ 2.2 μ H	3MHz	0.023 ~ 0.21	

IDC	Isat	Irms	Size (mm)
	1000mA ~ 3600mA	1500mA ~ 3500mA	2.0L x 1.6W x 1.0H



CTMLP100804AF

Multilayer Inductors

Description

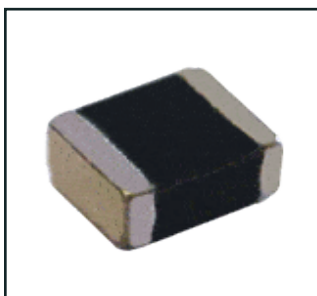
SMD multilayer power chip inductor, magnetically shielded

Application Use

Cellular phones, power modules, DC/DC converters, digital cameras, DVD, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.56 μ H ~ 4.7 μ H	1MHz	0.05 ~ 0.25	900mA ~ 1300mA

IDC	Isat	Irms	Size (mm)
			2.5L x 2.0W x 1.0H



CTMLP100804BF

Multilayer Inductors

Description

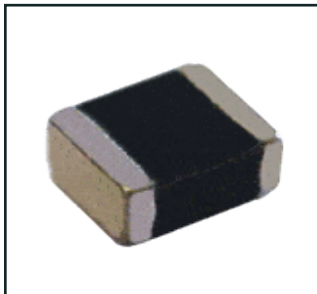
SMD multilayer power chip inductor, magnetically shielded

Application Use

Cellular phones, power modules, DC/DC converters, digital cameras, DVD, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 4.7 μ H	3MHz	0.04 ~ 0.11	

IDC	Isat	Irms	Size (mm)
	300mA ~ 1500mA	1100mA ~ 1800mA	2.5L x 2.0W x 1.0H



CTMLP100804BF

Multilayer Inductors

Description

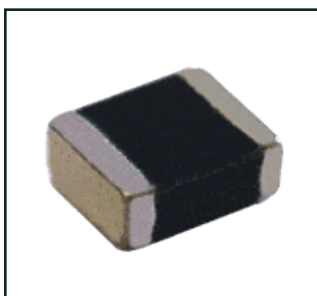
SMD multilayer power chip inductor, magnetically shielded

Application Use

Cellular phones, power modules, DC/DC converters, digital cameras, DVD, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47μH ~ 4.7μH	3MHz	0.04 ~ 0.11	

IDC	Isat	Irms	Size (mm)
	300mA ~ 1500mA	1100mA ~ 1800mA	2.5L x 2.0W x 1.0H



CTMLP100804BF

Multilayer Inductors

Description

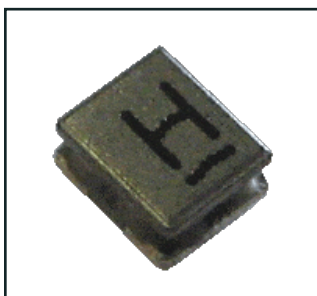
SMD multilayer power chip inductor, magnetically shielded

Application Use

Cellular phones, power modules, DC/DC converters, digital cameras, DVD, portable devices.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47μH ~ 4.7μH	3MHz	0.04 ~ 0.11	

IDC	Isat	Irms	Size (mm)
	300mA ~ 1500mA	1100mA ~ 1800mA	2.5L x 2.0W x 1.0H



CTLV2510SF

Wire-wound Inductors

Description

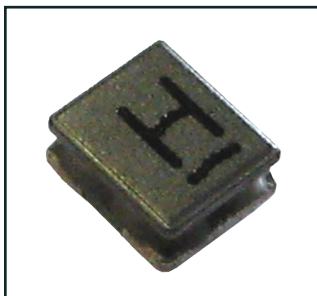
SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47μH ~ 22μH	1MHz	0.045 ~ 1.2	

IDC	Isat	Irms	Size (mm)
	0.36A ~ 2.52A	0.39A ~ 2.07A	2.5L x 2.0W x 1.02H



CTLV2512SF

Wire-wound Inductors

Description

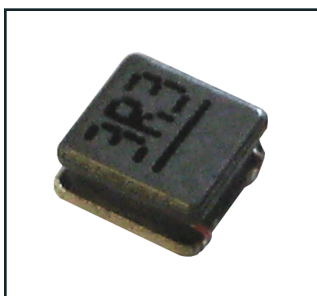
SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.50 μ H ~ 22 μ H	1MHz	0.028 ~ 0.81	

IDC	Isat	Irms	Size (mm)
	0.49A ~ 3.15A	0.47A ~ 2.7A	2.5L x 2.0W x 1.2H



CTLV3010ASF

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 3.3 μ H	1MHz	0.063 ~ 0.165	

IDC	Isat	Irms	Size (mm)
	1.08A ~ 2.16A	0.99A ~ 2.07A	3.0L x 3.0W x 1.02H



CTLV3010SF

Wire-wound Inductors

Description

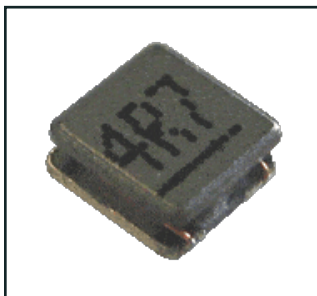
SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.5 μ H ~ 47 μ H	1MHz	0.085 ~ 1.75	

IDC	Isat	Irms	Size (mm)
	0.26A ~ 1.62A	0.25A ~ 1.53A	3.0L x 3.0W x 1.02H



CTLV3012SF

Wire-wound Inductors

Description

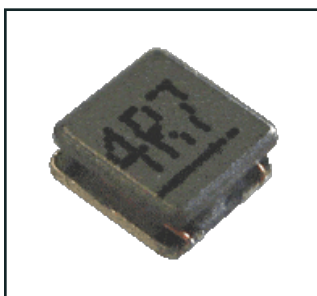
SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.2 μ H ~ 22 μ H	1MHz	0.092 ~ 0.86	

IDC	Isat	Irms	Size (mm)
	0.57A ~ 1.89A	0.55A ~ 1.8A	3.0L x 3.0W x 1.2H



CTLV3015SF

Wire-wound Inductors

Description

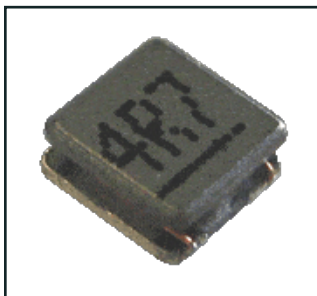
SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 100 μ H	1MHz	0.036 ~ 2.7	

IDC	Isat	Irms	Size (mm)
	0.32A ~ 4.23A	0.27A ~ 3.6A	3.0L x 3.0W x 1.5H



CTLV4012ASF

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.5 μ H ~ 22 μ H	1MHz	0.03 ~ 0.39	

IDC	Isat	Irms	Size (mm)
	0.55A ~ 3.51A	0.72A ~ 3.15A	4.0L x 4.0W x 1.2H



CTLV4012SF

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
3.3 μ H ~ 10 μ H	1MHz	0.072 ~ 0.19	

IDC	Isat	Irms	Size (mm)
	0.81A ~ 1.36A	1.08A ~ 1.89A	4.0L x 4.0W x 1.2H



CTLV4015SF

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.5 μ H ~ 22 μ H	1MHz	0.041 ~ 0.4	

IDC	Isat	Irms	Size (mm)
	0.64A ~ 2.7A	0.76A ~ 2.88A	4.0L x 4.0W x 1.5H



CTLV4018SF

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.56 μ H ~ 22 μ H	100kHz	0.022 ~ 0.335	

IDC	Isat	Irms	Size (mm)
	0.81A ~ 5.1A	0.79A ~ 3.6A	4.0L x 4.0W x 1.9H



CTLV4026SF

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 330 μ H	100kHz	0.03 ~ 4.6	

IDC	Isat	Irms	Size (mm)
	0.27A ~ 4.5A	0.22A ~ 3.6A	4.0L x 4.0W x 2.6H



CTLV5020SF

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 22 μ H	100kHz	0.018 ~ 0.265	

IDC	Isat	Irms	Size (mm)
	1.08A ~ 5.4A	0.90A ~ 3.69A	5.0L x 5.0W x 2.0H



CTLV5040SF

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 22 μ H	100kHz	0.012 ~ 0.16	

IDC	Isat	Irms	Size (mm)
	1.80A ~ 7.92A	1.44A ~ 5.31A	5.0L x 5.0W x 4.0H



CTLV6020SF

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
4.7 μ H ~ 22 μ H	100kHz	0.058 ~ 0.26	

IDC	Isat	Irms	Size (mm)
	1.17A ~ 2.70A	0.99A ~ 2.07A	6.0L x 6.0W x 2.0H



CTLV6028SF

Wire-wound Inductors

Description

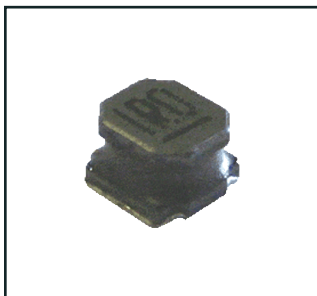
SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 6.8 μ H	100kHz	0.012 ~ 0.048	

IDC	Isat	Irms	Size (mm)
	2.88A ~ 7.11A	2.70A ~ 5.67A	6.0L x 6.0W x 2.8H



CTLV8040SF

Wire-wound Inductors

Description

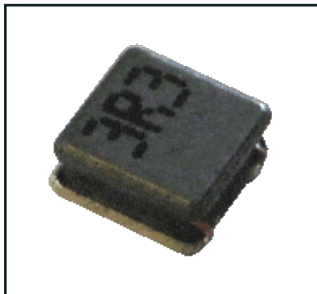
SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
4.7 μ H ~ 22 μ H	100kHz	0.02 ~ 0.082	

IDC	Isat	Irms	Size (mm)
	3.06A ~ 6.12A	2.43A ~ 4.95A	8.0L x 8.0W x 4.0H



CTLVC4012F

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 47 μ H	100kHz	48 ~ 930	

IDC	Isat	Irms	Size (mm)
	0.31A ~ 2.25A	0.45A ~ 1.53A	4.0L x 4.0W x 1.2H



CTLVC4018F

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 220 μ H	100kHz	32 ~ 4000	

IDC	Isat	Irms	Size (mm)
	0.25A ~ 3.69A	0.20A ~ 2.52A	4.0L x 4.0W x 1.8H



CTLVC4026F

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.2 μ H ~ 22 μ H	100kHz	30 ~ 230	

IDC	Isat	Irms	Size (mm)
	0.77A ~ 3.15A	0.90A ~ 2.97A	4.0L x 4.0W x 2.6H



CTLVC5020F

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 47 μ H	100kHz	21 ~ 580	

IDC	Isat	Irms	Size (mm)
	0.58A ~ 4.59A	0.58A ~ 3.6A	5.0L x 5.0W x 2.0H



CTLVC5040F

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 100 μ H	100kHz	14 ~ 800	

IDC	Isat	Irms	Size (mm)
	0.60A ~ 6.75A	0.50A ~ 4.14A	5.0L x 5.0W x 4.0H



CTLVC6020F

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.5 μ H ~ 22 μ H	100kHz	13 ~ 260	

IDC	Isat	Irms	Size (mm)
	0.99A ~ 7.2A	0.99A ~ 4.77A	6.0L x 6.0W x 2.0H



CTLVC6028F

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 100 μ H	100kHz	13 ~ 600	

IDC	Isat	Irms	Size (mm)
	0.73A ~ 6.84A	0.72A ~ 4.68A	6.0L x 6.0W x 2.8H



CTLVC6045F

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 1000 μ H	100kHz	12 ~ 6000	

IDC	Isat	Irms	Size (mm)
	0.36A ~ 10.98A	0.19A ~ 5.85A	6.0L x 6.0W x 4.5H



CTLVC8040F

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, DSC, tablet PC's, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.9 μ H ~ 820 μ H	100kHz	7 ~ 2800	

IDC	Isat	Irms	Size (mm)
	0.36A ~ 12.42A	0.34A ~ 7.24A	8.0L x 8.0W x 4.0H



CTLVH2010F

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, tablets, wearable devices, DSC, camcorders, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
4.7μH ~ 22μH	1.0MHz	370 ~ 1560	

IDC	Isat	Irms	Size (mm)
	0.49A ~ 1.0A	0.40A ~ 0.86A	2.0L x 1.6W x 1.0H



CTLVH2012F

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, tablets, wearable devices, DSC, camcorders, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
4.7μH ~ 22μH	1.0MHz	324 ~ 1500	

IDC	Isat	Irms	Size (mm)
	0.57A ~ 1.2A	0.41A ~ 1.0A	2.0L x 1.6W x 1.2H



CTLVH2510F

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, tablets, wearable devices, DSC, camcorders, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
4.7μH ~ 22μH	1.0MHz	264 ~ 1260	

IDC	Isat	Irms	Size (mm)
	0.56A ~ 1.3A	0.45A ~ 1.1A	2.5L x 2.0W x 1.0H



CTLVH2512F

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, tablets, wearable devices, DSC, camcorders, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
3.3 μ H ~ 22 μ H	1.0MHz	186 ~ 1090	

IDC	Isat	Irms	Size (mm)
	0.74A ~ 1.8A	0.54A ~ 1.45A	2.5L x 2.0W x 1.2H



CTLVH3012F

Wire-wound Inductors

Description

SMD power inductors sealed with magnetic resin

Application Use

Smart phones, tablets, wearable devices, DSC, camcorders, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 22 μ H	1.0MHz	64 ~ 954	

IDC	Isat	Irms	Size (mm)
	1.0A ~ 4.8A	0.63A ~ 2.7A	3.0L x 2.7W x 1.2H



CTSD10F

Wire-wound Inductors

Description

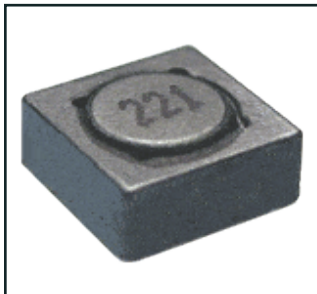
SMD shielded power inductors

Application Use

Digital cameras, CD players, cellular phones, PDA's, PCMCIA cards, GPS systems.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.68 μ H ~ 470 μ H	100kHz	0.0394W ~ 15.125W	0.110A ~ 3.03A

IDC	Isat	Irms	Size (mm)
			5.2L x 5.2W x 1.0H



CTSD25F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Digital cameras, CD players, cellular phones, PDA's, PCMCIA cards, GPS systems.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.47 μ H ~ 1000 μ H	100kHz	0.0221W ~ 7.125W	0.216A ~ 3.88A

IDC	Isat	Irms	Size (mm)
			5.5L x 5.5W x 2.8H



CTSPI2D10F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Cellular phones, PDA's, DVC, DSC, digital cameras, hard disk drives

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.33 μ H ~ 47 μ H	1.0kHz	0.030W ~ 2.43W	180mA ~ 1800mA

IDC	Isat	Irms	Size (mm)
		240mA ~ 2800mA	3.2L x 3.2W x 1.05H



CTSPI2D15F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Cellular phones, PDA's, DVC, DSC, digital cameras, hard disk drives

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 330 μ H	1.0kHz	0.038W ~ 10.3W	70mA ~ 1040mA

IDC	Isat	Irms	Size (mm)
		150mA ~ 1800mA	3.2L x 3.2W x 1.60H



CTSPI2D18F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Cellular phones, PDA's, DVC, DSC, digital cameras, hard disk drives

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 470 μ H	1.0kHz	0.038W ~ 12.2W	50mA ~ 960mA

IDC	Isat	Irms	Size (mm)
		120mA ~ 1800mA	3.2L x 3.2W x 1.80H



CTSPI3D12F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Cellular phones, PDA's, DVC, DSC, digital cameras, hard disk drives

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.68 μ H ~ 68 μ H	1.0kHz	0.040W ~ 2.90W	300mA ~ 2700mA

IDC	Isat	Irms	Size (mm)
		350mA ~ 3000mA	4.2L x 4.2W x 1.25H



CTSPI3D15F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Cellular phones, PDA's, DVC, DSC, digital cameras, hard disk drives

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.5 μ H ~ 100 μ H	1.0kHz	0.040W ~ 25.0W	80mA ~ 3100mA

IDC	Isat	Irms	Size (mm)
		100mA ~ 2500mA	4.2L x 4.2W x 1.60H



CTSPI3D18F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Cellular phones, PDA's, DVC, DSC, digital cameras, hard disk drives

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.27 μ H ~ 1500 μ H	1.0kHz	0.019W ~ 25.0W	70mA ~ 2900mA

IDC	Isat	Irms	Size (mm)
		100mA ~ 4600mA	4.2L x 4.2W x 1.80H



CTPCI6045F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Thin-screen TV's, LCD's, AV equipment, STB's, LED lights, industrial equipment

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 470 μ H	100kHz	0.0143W ~ 1.56W	

IDC	Isat	Irms	Size (mm)
	0.25A ~ 6.0A	0.41A ~ 4.8A	6.0L x 6.3W x 4.6H



CTPCI7045F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Thin-screen TV's, LCD's, AV equipment, STB's, LED lights, industrial equipment

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 470 μ H	100kHz	0.0117W ~ 1.44W	

IDC	Isat	Irms	Size (mm)
	0.37A ~ 7.6A	0.46A ~ 6.5A	7.0L x 7.4W x 4.5H



CTCDRH2D09F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.2 μ H ~ 10 μ H	100kHz	0.0975W ~ 0.538W	

IDC	Isat	Irms	Size (mm)
	0.28A ~ 0.80A	0.42A ~ 1.24A	3.2L x 3.2W x 1.0H



CTCDRH2D11F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.5 μ H ~ 47 μ H	100kHz	95 ~ 2250	

IDC	Isat	Irms	Size (mm)
	0.20A ~ 0.90A	0.30A ~ 1.45A	3.2L x 3.2W x 1.0H



CTCDRH2D11/HPF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.5 μ H ~ 10 μ H	100kHz	80 ~ 559	0.52A ~ 1.35A

IDC	Isat	Irms	Size (mm)
			3.2L x 3.2W x 1.2H



CTCDRH2D14F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.5 μ H ~ 12 μ H	100kHz	63 ~ 470	

IDC	Isat	Irms	Size (mm)
			3.2L x 3.2W x 1.55H



CTCDRH2D18F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.2 μ H ~ 47 μ H	100kHz	43 ~ 660	

IDC	Isat	Irms	Size (mm)
			3.2L x 3.2W x 2.0H



CTCDRH2D18/HPF

Wire-wound Inductors

Description

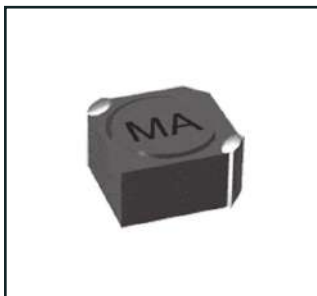
SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.7 μ H ~ 47 μ H	100kHz	44 ~ 1430	0.39A ~ 1.85A

IDC	Isat	Irms	Size (mm)
			3.2L x 3.2W x 2.0H



CTCDRH2D18/LDF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.2 μ H ~ 47 μ H	100kHz	41 ~ 660	

IDC	Isat	Irms	Size (mm)
		480mA ~ 2300mA	3.2L x 3.2W x 2.0H



CTCDRH3D16F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.5 μ H ~ 100 μ H	100kHz	0.052W ~ 1.75W	

IDC	Isat	Irms	Size (mm)
			4.1L x 4.1W x 1.8H



CTCDRH3D28F

Wire-wound Inductors

Description

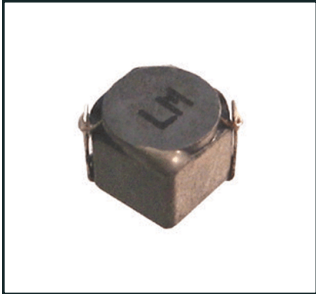
SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
3.3 μ H ~ 47 μ H	100kHz	0.0721W ~ 0.599W	

IDC	Isat	Irms	Size (mm)
	0.48A ~ 2.00A	0.56A ~ 1.85A	4.0L x 4.0W x 3.0H



CTCDRH3D28/LDF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

MP3, DSC/DVC, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
10 μ H ~ 220 μ H	100kHz	0.095W ~ 1.27W	

IDC	Isat	Irms	Size (mm)
	0.116A ~ 0.5A	0.36A ~ 1.52A	4.0L x 4.0W x 3.0H



CTCDRH4D18F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 180 μ H	1.0 μ H ~ 8.2 μ H @ 7.96MHz; 10 μ H ~ 180 μ H @ 100kHz	45 ~ 4000	

IDC	Isat	Irms	Size (mm)
			4.7L x 4.7W x 2.0H



CTCDRH4D28F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.2 μ H ~ 390 μ H	100kHz	23.6 ~ 2830	

IDC	Isat	Irms	Size (mm)
			4.7L x 4.7W x 3.0H



CTCDRH5D18F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
3.3 μ H ~ 330 μ H	10kHz	50 ~ 4340	

IDC	Isat	Irms	Size (mm)
			5.7L x 5.7W x 2.0H



CTCDRH5D28F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.5 μ H ~ 150 μ H	10kHz	18 ~ 956	

IDC	Isat	Irms	Size (mm)
			5.7L x 5.7W x 3.0H



CTCDRH5D28RF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.5 μ H ~ 100 μ H	100kHz	17.6 ~ 520	

IDC	Isat	Irms	Size (mm)
0.40A ~ 2.6A			6.2L x 6.3W x 3.0H



CTCDRH6D28F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
3.0 μ H ~ 150 μ H	10kHz	24 ~ 615	

IDC	Isat	Irms	Size (mm)
			6.7L x 6.7W x 3.0H



CTCDRH6D38F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
3.3 μ H ~ 100 μ H	10kHz	20 ~ 358	

IDC	Isat	Irms	Size (mm)
			6.7L x 6.7W x 4.0H



CTCDRH8D28F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 100 μ H	100kHz	11 ~ 410	

IDC	Isat	Irms	Size (mm)
			8.3L x 8.3W x 3.0H



CTCDRH8D38F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.8 μ H ~ 100 μ H	100kHz	15.6 ~ 410	

IDC	Isat	Irms	Size (mm)
			8.3L x 8.3W x 4.0H



CTCDRH8D43F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.5 μ H ~ 100 μ H	100kHz	14 ~ 360	

IDC	Isat	Irms	Size (mm)
			8.3L x 8.3W x 4.7H



CTCDRH62BF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.9 μ H ~ 330 μ H	2.9 μ H ~ 7.1 μ H @ 7.96MHz; 10 μ H ~ 330 μ H @ 1.0kHz	0.068W ~ 4.94W	

IDC	Isat	Irms	Size (mm)
0.19A ~ 1.94A			5.9L x 6.2W x 3.0H



CTCDRH64BF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.9 μ H ~ 1000 μ H	1.0kHz	0.047W ~ 9.3W	

IDC	Isat	Irms	Size (mm)
0.14A ~ 1.8A			5.9L x 6.2W x 5.0H



CTCDRH73F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
10 μ H ~ 1000 μ H	1.0kHz	0.07W ~ 9.4W	

IDC	Isat	Irms	Size (mm)
0.16A ~ 1.7A			7.5L x 7.5W x 3.5H



CTCDRH73BF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
10 μ H ~ 1000 μ H	1.0kHz	0.07W ~ 9.4W	

IDC	Isat	Irms	Size (mm)
0.16A ~ 1.7A			7.5L x 7.5W x 3.4H



CTCDRH73CF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
10 μ H ~ 1000 μ H	1.0kHz	0.072W ~ 9.44W	

IDC	Isat	Irms	Size (mm)
0.16A ~ 1.68A			7.8L x 7.8W x 3.5H



CTCDRH74F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
10 μ H ~ 1000 μ H	1.0kHz	0.05W ~ 6.0W	

IDC	Isat	Irms	Size (mm)
0.18A ~ 1.84A			7.8L x 7.8W x 4.5H



CTCDRH74BF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
10 μ H ~ 1000 μ H	1.0kHz	0.05W ~ 6.0W	

IDC	Isat	Irms	Size (mm)
0.18A ~ 1.9A			7.5L x 7.5W x 4.5H



CTCDRH74CF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
10 μ H ~ 1000 μ H	1.0kHz	0.049W ~ 6.0W	

IDC	Isat	Irms	Size (mm)
0.18A ~ 1.84A			7.8L x 7.8W x 4.5H



CTCDRH74HCF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

LCD panels, PC notebooks, portable communication equipment, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 1000 μ H	1.0kHz	0.013W ~ 4.1W	

IDC	Isat	Irms	Size (mm)
	0.24A ~ 5.6A	0.2A ~ 5.0A	7.3L x 7.3W x 4.5H



CTCDRH104RF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 330 μ H	100kHz	7.0 ~ 1090	

IDC	Isat	Irms	Size (mm)
0.7A ~ 10.1A			10.0L x 10.0W x 3.8H



CTCDRH105RF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.8 μ H ~ 1000 μ H	100kHz	5.0 ~ 1990	

IDC	Isat	Irms	Size (mm)
	0.48A ~ 13.5A		10.5L x 10.3W x 5.1H



CTCDRH124F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
3.9 μ H ~ 330 μ H	100kHz	0.015W ~ 0.990W	

IDC	Isat	Irms	Size (mm)
0.5A ~ 6.5A			12.5L x 12.5W x 4.5H



CTCDRH125F

Wire-wound Inductors

Description

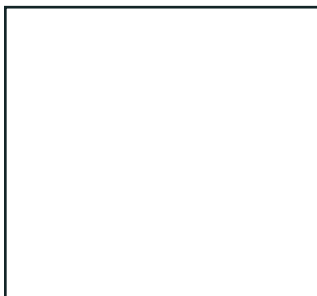
SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.3 μ H ~ 1000 μ H	1.0kHz	0.012W ~ 1.5W	

IDC	Isat	Irms	Size (mm)
0.4A ~ 8.0A			12.8L x 12.8W x 6.0H



CTSR1260F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

LCD panels, PC notebooks, portable communication equipment, DC/DC converters

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 1000 μ H	1.0 μ H ~ 8.2 μ H @ 100kHz; 10 μ H ~ 1000 μ H @ 1kHz	7.8 ~ 1700	

IDC	Isat	Irms	Size (mm)
	0.60A ~ 10A	0.68A ~ 9.4A	12.8L x 12.8W x 6.0H



CTCDRH127F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.2 μ H ~ 1000 μ H	1.2 μ H ~ 7.6 μ H @ 100kHz; 10 μ H ~ 1000 μ H @ 1.0kHz	7.0 ~ 1820	

IDC	Isat	Irms	Size (mm)
0.55A ~ 9.8A			12.5L x 12.5W x 8.0H



CTCDRH127/LDF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 1000 μ H	1.0 μ H ~ 7.4 μ H @ 100kHz; 10 μ H ~ 1000 μ H @ 1.0kHz	6.5 ~ 1500	

IDC	Isat	Irms	Size (mm)
	0.70A ~ 14.0A	0.66A ~ 14.0A	12.5L x 12.5W x 8.0H



CTCDRH129F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Notebook PC, LCD TV, DVD, gaming machine, set top box, DC/DC converter.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.5 μ H ~ 1000 μ H	1.5 μ H ~ 8.2 μ H @ 100kHz; 10 μ H ~ 1000 μ H @ 1.0kHz	0.0047W ~ 1.27W	

IDC	Isat	Irms	Size (mm)
0.76A ~ 16.0A			12.2L x 12.2W x 10.0H



CTMSS1278F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

LCD panels, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.4 μ H ~ 1000 μ H	100kHz	11 ~ 1700	

IDC	Isat	Irms	Size (mm)
	0.85A ~ 18.0A	0.68A ~ 10.0A	12.0L x 12.0W x 8.0H



CTCDC5D23F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.7 μ H ~ 470 μ H	100kHz	44 ~ 4780	

IDC	Isat	Irms	Size (mm)
			6.0L x 6.0W x 2.5H



CTCDEP147HF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

LCD television set, notebook PC, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.3 μ H ~ 7.3 μ H	100kHz	2.1 ~ 13.3	

IDC	Isat	Irms	Size (mm)
	14.6A ~ 70A	9.0A ~ 23A	15.0L x 14.9W x 8.1H



CTCDEP147LF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

LCD television set, notebook PC, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.5 μ H ~ 12 μ H	100kHz	2.1 ~ 13.3	

IDC	Isat	Irms	Size (mm)
	8.0A ~ 39.6A	9.0A ~ 24A	15.0L x 14.9W x 8.1H



CTCDEP147SF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

LCD television set, notebook PC, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.4 μ H ~ 9.5 μ H	100kHz	2.1 ~ 13.3	

IDC	Isat	Irms	Size (mm)
	11.2A ~ 52.8A	9.3A ~ 23A	15.0L x 14.9W x 8.1H



CTCDR63BF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
10 μ H ~ 68 μ H	2.52MHz	0.14W ~ 0.82W	

IDC	Isat	Irms	Size (mm)
0.42A ~ 1.00A			5.9L x 6.5W x 3.5H



CTEP105HF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

LCD television set, notebook PC, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.15 μ H ~ 3.0 μ H	100kHz	2.6 ~ 23.8	

IDC	Isat	Irms	Size (mm)
	12.6A ~ 55A	7.2A ~ 20A	10.4L x 10.4W x 5.6H



CTEP105LF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

LCD television set, notebook PC, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.36 μ H ~ 8.8 μ H	100kHz	2.6 ~ 23.8	

IDC	Isat	Irms	Size (mm)
	4.5A ~ 24A	7.0A ~ 21A	10.4L x 10.4W x 5.6H



CTEP105SF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

LCD television set, notebook PC, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.22 μ H ~ 5.0 μ H	100kHz	1.7 ~ 23.8	

IDC	Isat	Irms	Size (mm)
		4.9A ~ 19A	10.4L x 10.4W x 5.6H



CTEP125HF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 7.2 μ H	100kHz	2.5 ~ 13.5	7.8A ~ 20A

IDC	Isat	Irms	Size (mm)
			12.5L x 12.5W x 5.6H



CTEP125SF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.2 μ H ~ 10 μ H	100kHz	2.5 ~ 13.5	5.0A ~ 17A

IDC	Isat	Irms	Size (mm)
			12.9L x 12.9W x 5.8H



CTEP125UF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.3 μ H ~ 5.6 μ H	100kHz	2.5 ~ 13.5	9.5A ~ 35A

IDC	Isat	Irms	Size (mm)
			12.9L x 12.9W x 5.8H



CTGSR74BF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
4.7 μ H ~ 270 μ H	4.7 μ H @ 100kHz; 10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 270 μ H @ 1.0kHz	0.03W ~ 1.3W	

IDC	Isat	Irms	Size (mm)
			8.15L x 7.35W x 4.9H



CTGSR105BF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
10 μ H ~ 470 μ H	10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 470 μ H @ 1.0kHz	0.06W ~ 1.5W	

IDC	Isat	Irms	Size (mm)
			10.0L x 9.0W x 5.5H



CT636CYF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Ideal for a variety of DC/DC converter applications

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 1000 μ H	100kHz	0.019W ~ 7.02W	

IDC	Isat	Irms	Size (mm)
			7.4L x 7.4W x 3.5H



CT646CYF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Ideal for a variety of DC/DC converter applications

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 1000 μ H	100kHz	0.023W ~ 4.1W	

IDC	Isat	Irms	Size (mm)
			7.4L x 7.4W x 5.5H



CT915AYF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Cellular phones, smart phones, MP3 players, PDA, palmtop, wireless handhelds, LCD televisions, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.1 μ H ~ 100 μ H	100kHz	0.020W ~ 0.801W	

IDC	Isat	Irms	Size (mm)
	0.43A ~ 3.87A		5.3L x 5.3W x 3.0H



CT916CYF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.0 μ H ~ 150 μ H	100kHz	0.016W ~ 0.553W	

IDC	Isat	Irms	Size (mm)
0.37A ~ 3.0A			6.2L x 6.3W x 3.5H



CT918CYF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 47 μ H	100kHz	0.02W ~ 0.61W	

IDC	Isat	Irms	Size (mm)
0.5A ~ 3.5A			6.2L x 6.3W x 2.0H



CT920CYF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 100 μ H	100kHz	0.018W ~ 0.67W	

IDC	Isat	Irms	Size (mm)
0.33A ~ 3.48A			6.2L x 6.3W x 2.5H



CT921CYF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 150 μ H	100kHz	0.017W ~ 0.65W	

IDC	Isat	Irms	Size (mm)
0.31A ~ 3.59A			6.2L x 6.3W x 3.0H



CTDT1608CF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

DC/DC converters, computers, LCD displays and telecommunication equipment

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 680 μ H	100kHz	0.045W ~ 4.55W	0.12A ~ 2.0A

IDC	Isat	Irms	Size (mm)
			6.6L x 4.45W x 2.92H



CTDT3316PF

Wire-wound Inductors

Description

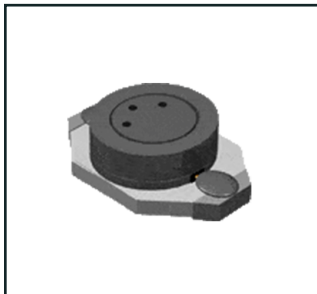
SMD shielded power inductors

Application Use

Ideal for high performance DC/DC converter applications, computers, LCD displays and telecommunication.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 1000 μ H	100kHz	0.025W ~ 1.45W	0.25A ~ 5.0A

IDC	Isat	Irms	Size (mm)
			12.95L x 9.4W x 5.08H



CTDS1608CF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

DC/DC converters, computers, LCD displays and telecommunication equipment. Can help achieve significantly longer battery life in hand held communication devices and other portable products.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 10000 μ H	100kHz	0.040W ~ 32.8W	

IDC	Isat	Irms	Size (mm)
0.02A ~ 3.0A			6.6L x 4.45W x 2.92H



CTDS3308F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

DC/DC converters, notebook computers, PDA, cell phones, step-up or step-down converters, flash memory.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.2 μ H ~ 470 μ H	100kHz	45 ~ 5100	

IDC	Isat	Irms	Size (mm)
0.20A ~ 3.5A			12.7L x 10.1W x 2.7H



CTDS3316PF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Ideal for high performance DC/DC converter applications, computers, LCD displays and telecommunication.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 1000 μ H	100kHz	0.021W ~ 8.3W	

IDC	Isat	Irms	Size (mm)
	0.32A ~ 5.6A	0.17A ~ 5.0A	12.95L x 9.4W x 5.08H



CTDS5022PF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Ideal for high performance DC/DC converter applications, computers, LCD displays and telecommunication.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
10 μ H ~ 1000 μ H	100kHz	0.04W ~ 2.0W	

IDC	Isat	Irms	Size (mm)
	0.8A ~ 8.0A	0.53A ~ 3.9A	18.54L x 15.24W x 7.62H



CTDSS0805F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Ideal for high performance DC/DC converter applications, computers, LCD displays and telecommunication.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.2 μ H ~ 1000 μ H	1.0kHz	0.04W ~ 5.0W	

IDC	Isat	Irms	Size (mm)
			10.5L x 8.0W x 4.5H



CTDSS1005F

Wire-wound Inductors

Description

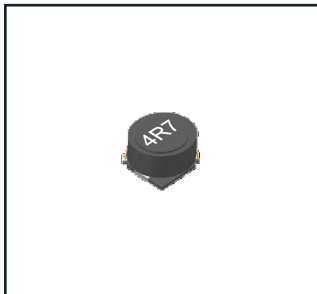
SMD shielded power inductors

Application Use

Ideal for high performance DC/DC converter applications, computers, LCD displays and telecommunication.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0 μ H ~ 3300 μ H	1.0kHz	0.01W ~ 10W	

IDC	Isat	Irms	Size (mm)
			12.7L x 10.0W x 4.9H



CTSLF0628TF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

For power source circuits, low profile type DC/DC converters, DC/AC inverters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
4.7 μ H ~ 100 μ H	1.0kHz	0.0284W ~ 0.43W	

IDC	Isat	Irms	Size (mm)
			6.0L x 6.0W x 2.8H



CTSLF0645TF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

LCD TV's, PDP TV's, LCD displays, DVD recorders, HDD's, DSC's.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.2 μ H ~ 15 μ H	100kHz	18 ~ 50	

IDC	Isat	Irms	Size (mm)
	1.3A ~ 3.3A		6.0L x 6.0W x 4.5H



CTSLF0732TF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

For power source circuits, low profile type DC/DC converters, DC/AC inverters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
3.3 μ H ~ 1000 μ H	1.0kHz	0.023W ~ 4.78W	

IDC	Isat	Irms	Size (mm)
			7.0L x 7.0W x 3.2H



CTSLF0745TF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

For power source circuits, low profile type DC/DC converters, DC/AC inverters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.2 μ H ~ 1000 μ H	2.2 μ H @ 100kHz; 3.3 μ H ~ 1000 μ H @ 1.0kHz	0.02W ~ 2.28W	

IDC	Isat	Irms	Size (mm)
			7.0L x 7.0W x 4.5H



CTSLF0755TF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

LCD TV's, PDP TV's, LCD displays, DVD recorders, HDD's, DSC's.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.5 μ H ~ 100 μ H	100kHz	17.4 ~ 293	

IDC	Isat	Irms	Size (mm)
	0.8A ~ 6.2A	0.9A ~ 4.0A	7.0L x 7.0W x 5.5H



CTSLF1045TF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

For power source circuits, low profile type DC/DC converters, DC/AC inverters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
10 μ H ~ 1500 μ H	1.0kHz	0.0364W ~ 3.4W	

IDC	Isat	Irms	Size (mm)
			10.1L x 10.1W x 4.5H



CTSLF1255TF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

LCD TV's, PDP TV's, LCD displays, DVD recorders, HDD's, DSC's.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
6.0 μ H ~ 1500 μ H	1.0kHz	0.0164 ~ 1.73	

IDC	Isat	Irms	Size (mm)
	0.29A ~ 3.6A	0.48A ~ 4.9A	12.5L x 12.5W x 5.5H



CTSLF1265TF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

For power source circuits, low profile type DC/DC converters, DC/AC inverters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.0 μ H ~ 220 μ H	1.0kHz	0.0117W ~ 0.273W	

IDC	Isat	Irms	Size (mm)
			12.5L x 12.5W x 6.5H



CTSLF1275TF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

For power source circuits, low profile type DC/DC converters, DC/AC inverters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.2 μ H ~ 220 μ H	1.0kHz	0.0069W ~ 0.258W	

IDC	Isat	Irms	Size (mm)
			12.5L x 12.5W x 7.5H



CTSR0604F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Power supplies for portable communication equipment, camcorders, LCD TV's, car radios, input/output of DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.5 μ H ~ 1000 μ H	1.0kHz	0.028W ~ 6.1W	

IDC	Isat	Irms	Size (mm)
0.12A ~ 2.8A			6.5L x 6.5W x 4.6H



CTSR0906F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Input/output of DC/DC converters, power supplies for portable communication equipment, camcorders, LCD TV's, car radios.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.7 μ H ~ 10000 μ H	1.0kHz	0.032W ~ 38W	

IDC	Isat	Irms	Size (mm)
0.07A ~ 3.2A			10.5L x 9.5W x 6.0H



CTSR0908F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Input/output of DC/DC converters, power supplies for portable communication equipment, camcorders, LCD TV's, car radios.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.5 μ H ~ 15000 μ H	1.0kHz	0.014W ~ 40W	

IDC	Isat	Irms	Size (mm)
75mA ~ 5600mA			10.5L x 9.5W x 7.5H



CTSRU5028F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Input/output of DC/DC converters, power supplies for portable communication equipment, camcorders, LCD TV's, car radios.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.2 μ H ~ 100 μ H	100kHz	22 ~ 800	

IDC	Isat	Irms	Size (mm)
	420mA ~ 3400mA	470mA ~ 3500mA	5.2L x 5.2W x 2.8H



CTSRU1038F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Input/output of DC/DC converters, power supplies for portable communication equipment, camcorders, LCD TV's, car radios.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.5 μ H ~ 330 μ H	100kHz	7.5 ~ 1000	

IDC	Isat	Irms	Size (mm)
	0.52A ~ 7.0A	0.55A ~ 7.2A	10.0L x 10.0W x 3.8H



CTSRU1048F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Input/output of DC/DC converters, power supplies for portable communication equipment, camcorders, LCD TV's, car radios.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.8 μ H ~ 330 μ H	100kHz	4.8 ~ 640	

IDC	Isat	Irms	Size (mm)
	0.52A ~ 8.5A	0.65A ~ 7.8A	10.0L x 10.0W x 4.8H



CTLQH3KSF

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Excellent for power in line DC/DC conversion applications used in hard disk, notebook computers and other electronic equipment

Inductance	Ind. Test Freq.	DCR (Ω)	Current
3.3 μ H ~ 2200 μ H	3.3 μ H ~ 68 μ H @ 1MHz; 100 μ H ~ 680 μ H @ 100kHz; 1000 μ H ~ 2200 μ H @ 10kHz	0.062W ~ 30W	
IDC	Isat	Irms	Size (mm)
20mA ~ 500mA			3.5L x 3.6W x 2.1H



CTSDB0705F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Switching power supplies. RFI/EMC filtering

Inductance	Ind. Test Freq.	DCR (Ω)	Current
10 μ H ~ 220 μ H	1.0kHz	0.05W ~ 0.75W	
IDC	Isat	Irms	Size (mm)
			8.0L x 7.0W x 5.7H



CTSDB0905F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Switching power supplies. RFI/EMC filtering

Inductance	Ind. Test Freq.	DCR (Ω)	Current
10 μ H ~ 220 μ H	1.0kHz	0.04W ~ 1.3W	
IDC	Isat	Irms	Size (mm)
			10.1L x 10.0W x 5.7H



CTSDB1105F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Switching power supplies. RFI/EMC filtering

Inductance	Ind. Test Freq.	DCR (Ω)	Current
10 μ H ~ 1500 μ H	1.0kHz	0.05W ~ 2.5W	

IDC	Isat	Irms	Size (mm)
			12.7L x 12.6W x 5.7H



CTSFW7030F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Low loss, high efficiency, wide application frequency and application scope.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.13 μ H ~ 2.0 μ H	100kHz	1.0 ~ 15.62	

IDC	Isat	Irms	Size (mm)
	9.0A ~ 48A	6.5A ~ 22A	6.7L x 6.7W x 3.0H



CTSFW7040F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Low loss, high efficiency, wide application frequency and application scope.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.22 μ H ~ 4.7 μ H	100kHz	1.2 ~ 21.5	

IDC	Isat	Irms	Size (mm)
	7.0A ~ 32A	6.0A ~ 21A	6.7L x 6.7W x 4.0H



CTSFW7050F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Low loss, high efficiency, wide application frequency and application scope.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.24 μ H ~ 10 μ H	100kHz	1.1 ~ 36.3	

IDC	Isat	Irms	Size (mm)
	4.0A ~ 28A	3.5A ~ 20A	6.7L x 6.7W x 5.0H



CTSFW1030F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Low loss, high efficiency, wide application frequency and application scope.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.20 μ H ~ 2.2 μ H	100kHz	0.90 ~ 12.5	

IDC	Isat	Irms	Size (mm)
	15A ~ 50A	9.0A ~ 22A	10.2L x 10.2W x 3.0H



CTSFW1040F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Low loss, high efficiency, wide application frequency and application scope.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.15 μ H ~ 5.6 μ H	100kHz	0.60 ~ 22.7	

IDC	Isat	Irms	Size (mm)
	7.5A ~ 60A	6.7A ~ 25A	10.2L x 10.2W x 4.0H



CTSFW1050F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Low loss, high efficiency, wide application frequency and application scope.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.16 μ H ~ 16 μ H	100kHz	0.56 ~ 26.95	

IDC	Isat	Irms	Size (mm)
	6.5A ~ 58A	5.0A ~ 25A	10.2L x 10.2W x 4.8H



CTSFW1335F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Low loss, high efficiency, wide application frequency and application scope.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.25 μ H ~ 3.3 μ H	100kHz	0.80 ~ 8.9	

IDC	Isat	Irms	Size (mm)
	14A ~ 60A	12A ~ 24A	12.8L x 12.8W x 3.5H



CTSFW1350F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Low loss, high efficiency, wide application frequency and application scope.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.19 μ H ~ 10 μ H	100kHz	0.55 ~ 15.51	

IDC	Isat	Irms	Size (mm)
	10A ~ 60A	8.5A ~ 29A	12.8L x 12.8W x 5.0H



CTSFW1365F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Low loss, high efficiency, wide application frequency and application scope.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.20 μ H ~ 33 μ H	100kHz	0.40 ~ 33.6	

IDC	Isat	Irms	Size (mm)
	5.5A ~ 65A	5.5A ~ 32A	12.8L x 12.8W x 6.2H



CTSFW1890F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Low loss, high efficiency, wide application frequency and application scope.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.82 μ H ~ 10 μ H	100kHz	0.59 ~ 7.6	

IDC	Isat	Irms	Size (mm)
	21.5A ~ 65A	15A ~ 41.5A	18.2L x 18.2W x 8.9H



CTHFW2014F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Storage inductor for high efficiency DC/DC converters, single and polyphase buck converters, filters for audio applications, optimized for high current boost applications, industrial control PC's, servers, DC/DC converters, LED lighting, communication equipment, navigation.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
2.2 μ H ~ 33 μ H	100kHz	2.2 ~ 9.5	

IDC	Isat	Irms	Size (mm)
	9.0A ~ 55A	Idc: 16A ~ 28A	22.5L x 21.8W x 14.5H



CTHFW2915F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Storage inductor for high efficiency DC/DC converters, single and polyphase buck converters, filters for audio applications, optimized for high current boost applications, industrial control PC's, servers, DC/DC converters, LED lighting, communication equipment, navigation.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.5μH ~ 33μH	100kHz	1.76	

IDC	Isat	Irms	Size (mm)
	2.6A ~ 100A	Idc: 30A	27.9L x 27.9W x 15.4H



CTHFW2918F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Storage inductor for high efficiency DC/DC converters, single and polyphase buck converters, filters for audio applications, optimized for high current boost applications, industrial control PC's, servers, DC/DC converters, LED lighting, communication equipment, navigation.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
1.0μH ~ 33μH	100kHz	0.60 ~ 2.86	

IDC	Isat	Irms	Size (mm)
	8.7A ~ 120A	Idc: 28A ~ 60A	27.9L x 27.9W x 17.8H



CTPA5031F

Wire-wound Inductors

Description

SMD shielded power inductors

Application Use

Designed for higher speed switch mode applications requiring lower inductance and high current. Next generation microprocessors.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
0.21μH ~ 0.44μH	2.0MHz	0.35	

IDC	Isat	Irms	Size (mm)
	35A ~ 71A	45A	13.46L x 12.95W x 8.0H



CTDAS0910AF

Power Inductors for Digital Amplifiers

Description

SMD inductors for Class D

Application Use

TV and monitor, AV amplifier, video game console, power supply, navigation equipment, audio applications.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
6.8 μ H ~ 22 μ H	1.0kHz	19 ~ 45	

IDC	Isat	Irms	Size (mm)
	3.3A ~ 7.8A	3.5A ~ 5.0A	10.0L x 9.0W x 10.5H



CTDAS0910BF

Power Inductors for Digital Amplifiers

Description

SMD inductors for Class D

Application Use

TV and monitor, AV amplifier, video game console, power supply, navigation equipment, audio applications.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
6.8 μ H ~ 22 μ H	1.0kHz	19 ~ 36	

IDC	Isat	Irms	Size (mm)
	3.0A ~ 8.7A	3.5A ~ 5.0A	10.0L x 9.0W x 10.5H



CTDAS1013F

Power Inductors for Digital Amplifiers

Description

SMD inductors for Class D

Application Use

TV and monitor, AV amplifier, video game console, power supply, navigation equipment, audio applications.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
6.8 μ H ~ 22 μ H	1.0kHz	15.2 ~ 25	

IDC	Isat	Irms	Size (mm)
	3.5A ~ 11A	5.0A ~ 6.5A	13.0L x 10.0W x 10.5H



CTDAS1065F

Power Inductors for Digital Amplifiers

Description

SMD inductors for Class D

Application Use

TV and monitor, AV amplifier, video game console, power supply, navigation equipment, audio applications.

Inductance	Ind. Test Freq.	DCR (Ω)	Current
6.8 μ H ~ 22 μ H	1.0kHz	12 ~ 28	

IDC	Isat	Irms	Size (mm)
	4.0A ~ 7.8A	4.0A ~ 6.7A	6.5L x 11.0W x 10.5H

POWER MAGNETICS

UNSHIELDED SURFACE MOUNT PRODUCT GUIDE

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CT636FYF

Wire-wound Inductors

Description

SMD power inductor

Application Use

Ideal for a variety of DC/DC converter applications and low profile use.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
1.0 μ H ~ 100 μ H	100kHz	0.2 ~ 0.95		

Rated Current	Rated DC	Isat	Irms	Size (mm)
	0.38A ~ 2.9A			7.4L x 7.4W x 3.5H



CT646FYF

Wire-wound Inductors

Description

SMD power inductor

Application Use

Ideal for a variety of DC/DC converter applications and low profile use.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
1.0 μ H ~ 1000 μ H	100kHz	0.023 ~ 5.39		

Rated Current	Rated DC	Isat	Irms	Size (mm)
	0.15A ~ 2.88A			7.4L x 7.4W x 5.5H



CT814AYF

Wire-wound Inductors

Description

SMD power inductor

Application Use

LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
10 μ H ~ 1500 μ H	100kHz	0.047 ~ 4.37		

Rated Current	Rated DC	Isat	Irms	Size (mm)
		0.25A ~ 2.6A		11.5L x 9.7W x 5.0H



CT817FYF

Wire-wound Inductors

Description

SMD power inductor

Application Use

Ideal for a variety of DC/DC converter applications and low profile use.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
1.0 μ H ~ 100 μ H	100kHz	20m ~ 1080m		0.39A ~ 3.6A

Rated Current	Rated DC	Isat	Irms	Size (mm)
				7.6L x 7.6W x 3.0H



CTDO1608CF

Wire-wound Inductors

Description

SMD power inductor

Application Use

OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters, Used in limited spaces and ultra-low profiles.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
1.0 μ H ~ 1000 μ H	100kHz	0.05 ~ 14		

Rated Current	Rated DC	Isat	Irms	Size (mm)
		0.10A ~ 2.9A	0.07A ~ 2.9A	6.58L x 4.45W x 2.92H



CTDO1813PF-HC

Wire-wound Inductors

Description

SMD power inductor

Application Use

OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters. Step up and step down converters and flash memory programmers.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
0.18 μ H ~ 100 μ H	100kHz	0.03 ~ 1.11		

Rated Current	Rated DC	Isat	Irms	Size (mm)
		0.53A ~ 14A	0.47A ~ 10A	8.89L x 6.1W x 5.0H



CTD03308PF

Wire-wound Inductors

Description

SMD power inductor

Application Use

DC/DC converters, computers, LCD displays, telecommunication equipment and PDA palm tops.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
4.7 μ H ~ 1000 μ H	100kHz	0.036 ~ 7.0		

Rated Current	Rated DC	Isat	Irms	Size (mm)
		0.29A ~ 4.2A	0.23A ~ 3.2A	12.95L x 9.4W x 3.0H



CTD03316PF

Wire-wound Inductors

Description

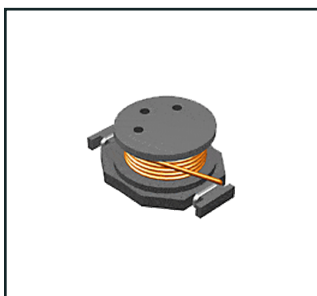
SMD power inductor

Application Use

DC/DC converters, computers, LCD displays, telecommunication equipment and PDA palm tops.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
1.0 μ H ~ 1500 μ H	100kHz	0.01 ~ 5.0		

Rated Current	Rated DC	Isat	Irms	Size (mm)
		0.27A ~ 9.0A	0.25A ~ 6.8A	12.95L x 9.4W x 5.2H



CTD03316PF-HC

Wire-wound Inductors

Description

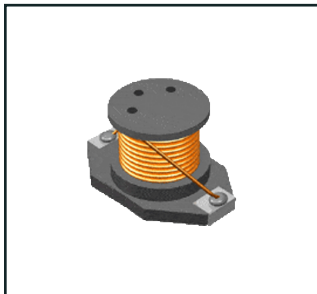
SMD power inductor

Application Use

DC/DC converters, computers, LCD displays, telecommunication equipment and PDA palm tops.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
0.33 μ H ~ 100 μ H	100kHz	0.002 ~ 0.40		

Rated Current	Rated DC	Isat	Irms	Size (mm)
		0.95A ~ 20A	1.2A ~ 16A	13.21L x 9.91W x 6.35H



CTDO3340PF

Wire-wound Inductors

Description

SMD power inductor

Application Use

DC/DC converters, computers, LCD displays, telecommunication equipment and PDA palm tops.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
10 μ H ~ 1000 μ H	100kHz	0.03 ~ 2.0		

Rated Current	Rated DC	Isat	Irms	Size (mm)
		0.80A ~ 8.0A	0.10A ~ 3.5A	12.95L x 9.4W x 11.43H



CTDO5022PF

Wire-wound Inductors

Description

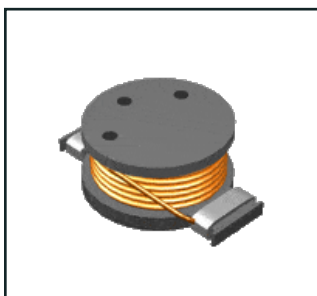
SMD power inductor

Application Use

DC/DC converters, computers, LCD displays, telecommunication equipment and PDA palm tops. Designed for the higher current requirements of portable computers.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
1.0 μ H ~ 1000 μ H	100kHz	0.011 ~ 1.8		

Rated Current	Rated DC	Isat	Irms	Size (mm)
		1.0A ~ 20A	0.56A ~ 8.6A	18.54L x 15.24W x 7.0H



CTDO5022PF-HC

Wire-wound Inductors

Description

SMD power inductor

Application Use

DC/DC converters, computers, LCD displays, telecommunication equipment and PDA palm tops. Designed for the higher current requirements of portable computers.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
0.78 μ H ~ 15 μ H	100kHz	0.003 ~ 0.032		8.0A ~ 30A

Rated Current	Rated DC	Isat	Irms	Size (mm)
				22.35L x 16.26W x 8.0H



CTDO5040F

Wire-wound Inductors

Description

SMD power inductor

Application Use

DC/DC converters, computers, LCD displays, telecommunication equipment and PDA palm tops. Designed for the higher current requirements of portable computers.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
0.68 μ H ~ 150 μ H	100kHz	2.0m ~ 200m		

Rated Current	Rated DC	Isat	Irms	Size (mm)
		4.0A ~ 64A		18.54L x 15.24W x 11.43H



CTGS32F

Wire-wound Inductors

Description

SMD power inductor

Application Use

OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
1.0 μ H ~ 1200 μ H	100kHz	0.06 ~ 30		

Rated Current	Rated DC	Isat	Irms	Size (mm)
		0.08A ~ 2.7A	0.06A ~ 2.1A	3.0L x 2.8W x 2.5H



CTGS43F

Wire-wound Inductors

Description

SMD power inductor

Application Use

OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
1.0 μ H ~ 68 μ H	1.0 μ H ~ 8.2 μ H @ 7.96MHz; 10 μ H ~ 68 μ H @ 2.52MHz	0.033 ~ 1.117		

Rated Current	Rated DC	Isat	Irms	Size (mm)
	0.46A ~ 3.8A			4.5L x 4.0W x 3.2H



CTGS53F

Wire-wound Inductors

Description

SMD power inductor

Application Use

LCD televisions, PC notebooks, portable communication equipment, camcorders, car radios, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
10 μ H ~ 15000 μ H	1.0kHz	0.13 ~ 168		0.02A ~ 1.3A

Rated Current	Rated DC	Isat	Irms	Size (mm)
				5.0L x 4.5W x 3.0H



CTGS54F

Wire-wound Inductors

Description

SMD power inductor

Application Use

OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
1.0 μ H ~ 220 μ H	1.0 μ H ~ 8.2 μ H @ 7.96MHz; 10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 220 μ H @ 1.0kHz	0.015 ~ 1.6		

Rated Current	Rated DC	Isat	Irms	Size (mm)
	0.35A ~ 5.9A			5.8L x 5.2W x 4.5H



CTGS73F

Wire-wound Inductors

Description

SMD power inductor

Application Use

OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
10 μ H ~ 330 μ H	10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 330 μ H @ 1.0kHz	0.08 ~ 1.5		

Rated Current	Rated DC	Isat	Irms	Size (mm)
	0.28A ~ 1.44A			7.8L x 7.0W x 3.5H



CTGS75F

Wire-wound Inductors

Description

SMD power inductor

Application Use

OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
1.0 μ H ~ 820 μ H	1.0 μ H @ 25.2MHz; 1.4 μ H ~ 8.2 μ H @ 7.96MHz; 10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 820 μ H @ 1.0kHz	0.02 ~ 2.9		

Rated Current	Rated DC	Isat	Irms	Size (mm)
	0.26A ~ 3.7A			7.8L x 7.0W x 5.0H



CTGS104F

Wire-wound Inductors

Description

SMD power inductor

Application Use

OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
10 μ H ~ 560 μ H	10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 560 μ H @ 1.0kHz	0.05 ~ 1.9		

Rated Current	Rated DC	Isat	Irms	Size (mm)
	0.32A ~ 2.38A			10.0L x 9.0W x 4.2H



CTGS105F

Wire-wound Inductors

Description

SMD power inductor

Application Use

OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
4.7 μ H ~ 1000 μ H	4.7 μ H @ 7.96MHz; 6.8 μ H @ 100kHz; 10 μ H ~82 μ H @ 2.52MHz; 100 μ H ~ 1000 μ H @ 1.0kHz	0.04 ~ 3.1		

Rated Current	Rated DC	Isat	Irms	Size (mm)
	0.20A ~ 2.6A			10.0L x 9.0W x 5.4H



CTGS137F

Wire-wound Inductors

Description

SMD power inductor

Application Use

OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
1.5 μ H ~ 1000 μ H	100kHz	5.0m ~ 1600m		

Rated Current	Rated DC	Isat	Irms	Size (mm)
		1.0A ~ 20A	0.65A ~ 9.5A	13.0L x 13.0W x 7.0H



CTUP3BF

Wire-wound Inductors

Description

SMD power inductor

Application Use

DC/DC converters, computers, LCD displays, telecommunication equipment and PDA palm tops.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
0.47 μ H ~ 100 μ H	100kHz	2.5m ~ 265m		

Rated Current	Rated DC	Isat	Irms	Size (mm)
	1.8A ~ 25.1A			19.5L x 13.3W x 6.9H



CTIHSM4825F

Wire-wound Inductors

Description

SMD molded high current inductors

Application Use

Excellent power line noise filters, filters for switching regulators power supplies, DC/DC converters, SCR and Triac controls, and RFI suppression.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
0.22 μ H ~ 1000 μ H	1.0kHz	0.008 ~ 6.9		

Rated Current	Rated DC	Isat	Irms	Size (mm)
0.24A ~ 7.0A				13.2L x 6.35W x 5.84H



CTIHSM5832F

Wire-wound Inductors

Description

SMD molded high current inductors

Application Use

Excellent power line noise filters, filters for switching regulators power supplies, DC/DC converters, SCR and Triac controls, and RFI suppression.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
1.0 μ H ~ 18000 μ H	1.0kHz	0.010 ~ 52.5		

Rated Current	Rated DC	Isat	Irms	Size (mm)
0.039A ~ 6.2A				16.2L x 8.13W x 7.24H



CTP1330F

Wire-wound Inductors

Description

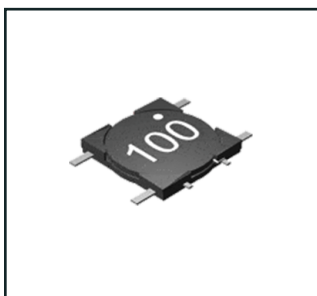
SMD molded high current inductors

Application Use

Excellent power line noise filters, filters for switching regulators power supplies, DC/DC converters, SCR and Triac controls, and RFI suppression.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
1.0 μ H ~ 1000 μ H	1.0kHz	0.035 ~ 11.16		

Rated Current	Rated DC	Isat	Irms	Size (mm)
	105mA ~ 2780mA			7.6~8.2L x 2.7~3.8W x 3.1~3.6H



CTCMD4D06F

Wire-wound Inductors

Description

SMD power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
2.2 μ H ~ 47 μ H	100kHz	0.116 ~ 2.843		

Rated Current	Rated DC	Isat	Irms	Size (mm)
0.18A ~ 0.95A				5.8L x 6.3W x 1.2H



CTCMD5D13F

Wire-wound Inductors

Description

SMD power inductors

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
3.3 μ H ~ 47 μ H	100kHz	0.081 ~ 0.875		

Rated Current	Rated DC	Isat	Irms	Size (mm)
0.35A ~ 1.25A				7.4L x 5.8W x 1.5H



CTRL6050F

Wire-wound Inductors

Description

SMD power inductors

Application Use

Switching regulators, power amplifiers, power supplies, noise / EMI / RFI filtering.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
10 μ H ~ 1200 μ H	1.0kHz	0.06 ~ 3.5		

Rated Current	Rated DC	Isat	Irms	Size (mm)
		0.54A ~ 6.0A	0.35A ~ 3.5A	14.0L x 11.7W x 8.4H



CTTSM2110F

High Current Toroid Coil

Description

SMD toroid inductors

Application Use

Input/Output of DC/DC converters, industrial electronics, portable communications equipment, camcorders, LCD TV's, car radios

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
1.0 μ H ~ 1000 μ H	1.0kHz	2.0m ~ 244m		1.9A ~ 22.7A

Rated Current	Rated DC	Isat	Irms	Size (mm)
				30.5L x 27.9W x 13.21 ~ 15.75H



CTTSM2120F

High Current Toroid Coil

Description

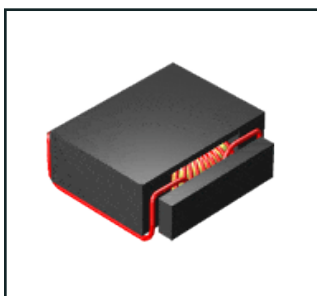
SMD toroid inductors

Application Use

Input/Output of DC/DC converters, industrial electronics, portable communications equipment, camcorders, LCD TV's, car radios

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
1.0 μ H ~ 1000 μ H	1.0kHz	2.0m ~ 215m		2.5A ~ 25.4A

Rated Current	Rated DC	Isat	Irms	Size (mm)
				30.5L x 27.9W x 19.56 ~ 22.1H



CTSPT-H

High Current Toroid Coil

Description

SMD toroid inductors

Application Use

For use in DC/DC converters, notebooks, computers and mobile appliances.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
2.8 μ H ~ 18 μ H	100kHz	0.0036 ~ 0.0123		

Rated Current	Rated DC	Isat	Irms	Size (mm)
				see spec sheet for Size (mm) details



CTSPT-L

High Current Toroid Coil

Description

SMD toroid inductors

Application Use

For use in DC/DC converters, notebooks, computers and mobile appliances.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	IDC
1.1 μ H ~ 2000 μ H	100kHz	0.008 ~ 1.7		

Rated Current	Rated DC	Isat	Irms	Size (mm)
				see spec sheet for Size (mm) details

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CTRJPPS2R5GF

2.5G

Description

2.5G Base-T integrated RJ45 jack, single port, PoE & PoE+, Tab up

Application Use

Telecom equipment, HUB, wireless router station, VoIP device, video camera

Operating Temp	Hi-Pot	Size (mm)
0°C to 70°C	2250 Vdc at 60Hz	32.6L x 16.6W x 13.5H



CTRJPPS5GF

5G

Description

5G Base-T integrated RJ45 jack, single port, PoE & PoE+, Tab up

Application Use

Telecom equipment, HUB, wireless router station, VoIP device, video camera

Operating Temp	Hi-Pot	Size (mm)
0°C to 70°C	1500 Vrms at 60Hz	32.6L x 16.6W x 13.5H



CTRJPPS10GF

10G

Description

10G Base-T integrated RJ45 jack, single port, PoE & PoE+, Tab up

Application Use

Telecom equipment, HUB, wireless router station, VoIP device, video camera

Operating Temp	Hi-Pot	Size (mm)
0°C to 70°C	1500 Vrms at 60Hz	32.6L x 16.6W x 13.5H

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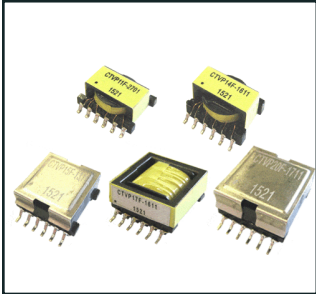
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CTVP

Six Winding Transformers & Inductors

Description

SMD six winding transformers and inductors

Application Use

Applications (Transformer): Flyback, feed forward, push-pull, multiple. Applications (Inductor): Buck, boost, coupled, choke, filter, differential, forward, common mode.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
3.2 μ H ~ 201.6 μ H >>					See spec sheet for Size (mm) details



CTPTF

PoE Power Transformers

Description

SMD power transformers for Power over Ethernet (PoE)

Application Use

Ideal for PoE

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
25.2 μ H ~ 521 μ H >>					See spec sheet for Size (mm) details



CTCSF

Current Sense Transformers & Inductors

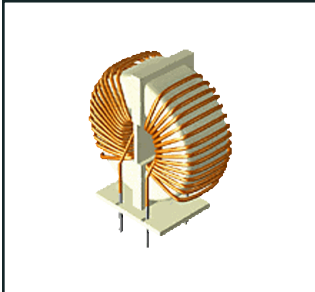
Description

Through hole current sense transformers and inductors

Application Use

Designed for switching power supply applications

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
Secondary 5.0mH ~ 180mH >>					See spec sheet for Size (mm) details



CTF2012SF

Common Mode Chokes

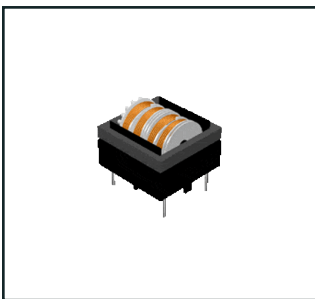
Description

Common mode choke coils for power supply line

Application Use

Prevents noise emission, protects AC side from the effects of switching regulators, provides noise elimination and immunity for TV's and audio equipment.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
0.4mH ~ 4.5mH>>		0.01 ~ 0.15		2.0Aac ~ 10Aac	31.5L x 21.0W x 31.0H



CTHF2422F

Common Mode Chokes

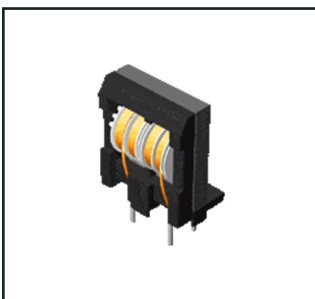
Description

Common mode choke coils

Application Use

For AC power supply

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
2.4mH ~ 68mH>>		0.09 ~ 2.3		0.4Aac ~ 2.5Aac	26.0L x 26.0W x 22.0H



CTHF2430F

Common Mode Chokes

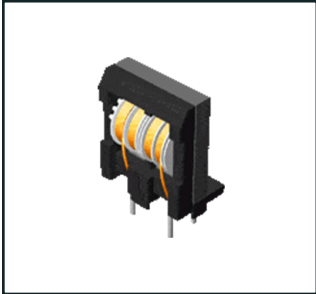
Description

Common mode choke coils

Application Use

For AC power supply

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
2.4mH ~ 68mH>>		0.09 ~ 2.3		0.4Aac ~ 2.5Aac	26.0L x 19.0W x 31.5H



CTHF2836F

Common Mode Chokes

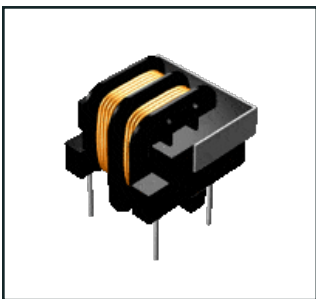
Description

Common mode choke coils

Application Use

For AC power supply

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
1.8mH ~ 35mH>>		0.05 ~ 0.78		1.0Aac ~4.0Aac	30.5L x 22.0W x 36.0H



CTUF0917HF

Common Mode Chokes

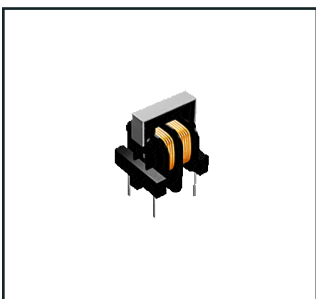
Description

Common mode choke coils

Application Use

For power supply line

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
0.2mH ~ 10mH>>		0.1 ~ 3.5		0.25A ~1.6A	18.5L x 15.5W x 13.0H



CTUF0917VF

Common Mode Chokes

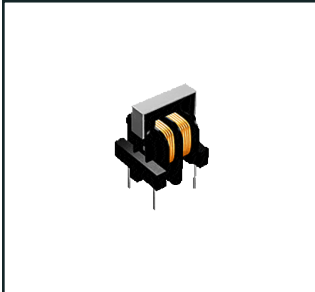
Description

Common mode choke coils

Application Use

For power supply line

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
0.2mH ~ 10mH>>		0.1 ~ 3.5		0.25A ~1.6A	18.0L x 12.0W x 17.0H



CTUF1015VF

Common Mode Chokes

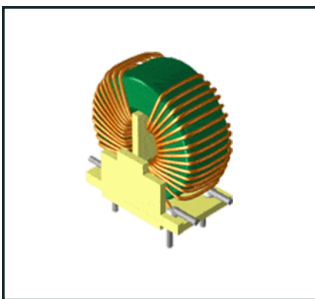
Description

Common mode choke coils

Application Use

For power supply line

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
0.6mH ~ 10mH>>		0.07 ~ 2.0		0.3A ~2.5A	19.0L x 17.0W x 22.5H



CTCMH

Common Mode Chokes

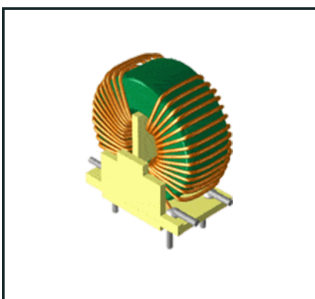
Description

High inductance through hole toroidal inductor with header

Application Use

For use in linear power supply filters, power line filters, as well as the ability to suppress EMI in switch mode supplies.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
0.580mH ~ 10.8mH>>	10kHz	10m ~ 290m			35.6L x 22.86W x 35.6H



CTCMS

Common Mode Chokes

Description

Standard inductance through hole toroidal inductor with header

Application Use

For use in linear power supply filters, power line filters, as well as the ability to suppress EMI in switch mode supplies.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
0.275mH ~ 3.5mH>>	10kHz	8m ~ 150m			31.8L x 15.88W x 31.2H



CTTCMCF

Common Mode Chokes

Description

Common mode inductor with header

Application Use

EMI suppression capability over wide frequency range.

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
1.0mH ~ 50mH>>	1.0kHz	0.006 ~ 0.45			See spec sheet for Size (mm) details



CTCMPCF

Common Mode Chokes

Description

Toroidal common mode choke

Application Use

Power electronics, power line input and output filter, radio interference suppression in motors, for filtering of devices without stable ground connection

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
1.0mH ~ 39mH>>	10kHz	45m ~ 3000m		0.3A ~ 2.0A	15.5L x 8.5W x 18.0H



CTCTXF-2P

Common Mode Chokes

Description

SMD toroidal common mode choke

Application Use

Single inductors, 1:1 coupled inductors & 1:1 isolation transformers

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
0.54 μ H ~ 300.42 μ H>>	100kHz				11.4L x 11.4W x 6.9H



CTCTXF-4P

Common Mode Chokes

Description

SMD toroidal common mode choke

Application Use

Single inductors, 1:1 coupled inductors & 1:1 isolation transformers

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
0.49 μ H ~ 298.93 μ H>>	100kHz				13.9L x 13.9W x 6.9H



CTSQ1212F

Common Mode Chokes

Description

Through hole common mode power line chokes

Application Use

Switch mode power supplies, LED drivers, chargers, adapters

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
10mH ~ 25mH>>	1.0kHz	150m ~ 300m	0.50A ~ 0.75A		See spec sheet for Size (mm) details



CTSQ1515F

Common Mode Chokes

Description

Through hole common mode power line chokes

Application Use

Switch mode power supplies, LED drivers, chargers, adapters

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
6mH ~ 35mH>>	1.0kHz	120m ~ 250m	0.60A ~ 1.8A		See spec sheet for Size (mm) details



CTSQ1918F

Common Mode Chokes

Description

Through hole common mode power line chokes

Application Use

Switch mode power supplies, LED drivers, chargers, adapters

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
10mH ~ 45mH>>	1.0kHz	100m ~ 420m	0.50A ~ 2.25A		See spec sheet for Size (mm) details



CTSQ2418F

Common Mode Chokes

Description

Through hole common mode power line chokes

Application Use

Switch mode power supplies, LED drivers, chargers, adapters

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
4mH ~ 15mH>>	1.0kHz	50m ~ 120m	2.7A ~ 5.4A		See spec sheet for Size (mm) details



CTSQ3325F

Common Mode Chokes

Description

Through hole common mode power line chokes

Application Use

Switch mode power supplies, LED drivers, chargers, adapters

Inductance	Ind. Test Freq.	DCR (Ω)	Current	Rated Current	Size (mm)
6mH ~ 15mH>>	1.0kHz	30m ~ 90m	5.4A ~ 12A		See spec sheet for Size (mm) details

WIRELESS CHARGING

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CTR103010BF

Receiver Coils

Description

Wireless power charging receiver coil

Application Use

Used in wireless charging systems designed for a wide range of portable consumer electronic products such as mobile phones, scanners, gaming industry.

Power	Inductance	Ind. Test Freq	Winding
3.5W	12.8μH	100kHz	Bi-filar
Qi Design	DCR (Ω)	Irms	Size (mm)
	0.78	0.8A	30.0L x 10.0W x 1.0H



CTR324815BF

Receiver Coils

Description

Wireless power charging receiver coil

Application Use

Used in wireless charging systems designed for a wide range of portable consumer electronic products such as mobile phones, scanners, gaming industry.

Power	Inductance	Ind. Test Freq	Winding
5W	12.0μH	100kHz	Bi-filar
Qi Design	DCR (Ω)	Irms	Size (mm)
	200	3.0A	48.0L x 32.0W x 1.5H



CTR324517SF

Receiver Coils

Description

Wireless power charging receiver coil

Application Use

Used in wireless charging systems designed for a wide range of portable consumer electronic products such as mobile phones, scanners, gaming industry.

Power	Inductance	Ind. Test Freq	Winding
5W	14.0μH	100kHz	Single
Qi Design	DCR (Ω)	Irms	Size (mm)
	355	1.2A	45.0L x 32.0W x 1.7H



CTTX504335BF

Transmitter Coils

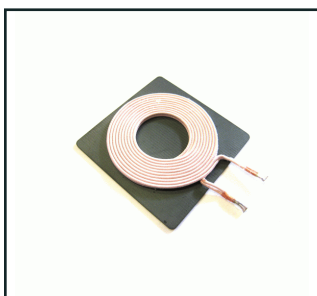
Description

Wireless power charging transmitting coil

Application Use

Used in wireless charging systems designed for a wide range of portable consumer electronic products such as mobile phones, tablets, cameras, MP3 players, battery chargers, scanners, gaming industry.

Power	Inductance	Ind. Test Freq	Winding
5W ~ 15W	6.3μH	100kHz	Bi-filar
Qi Design	DCR (Ω)	Irms	Size (mm)
A11	25	10A	50.0 OD x 4.0 H



CTTX505035BF

Transmitter Coils

Description

Wireless power charging transmitting coil

Application Use

Used in wireless charging systems designed for a wide range of portable consumer electronic products such as mobile phones, tablets, cameras, MP3 players, battery chargers, scanners, gaming industry.

Power	Inductance	Ind. Test Freq	Winding
5W ~ 15W	6.3μH	100kHz	Bi-filar
Qi Design	DCR (Ω)	Irms	Size (mm)
A11	25	10A	50.0L x 50.0W x 4.0 H



CTTX504424SF

Transmitter Coils

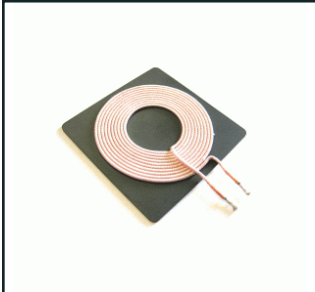
Description

Wireless power charging transmitting coil

Application Use

Used in wireless charging systems designed for a wide range of portable consumer electronic products such as mobile phones, tablets, cameras, MP3 players, battery chargers, scanners, gaming industry.

Power	Inductance	Ind. Test Freq	Winding
5W ~ 15W	6.3μH	100kHz	Single
Qi Design	DCR (Ω)	Irms	Size (mm)
A11	45	5.0A	50.0 OD x 3.0 H



CTTX505024SF

Transmitter Coils

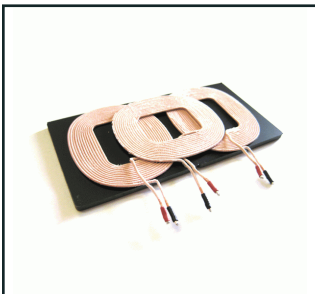
Description

Wireless power charging transmitting coil

Application Use

Used in wireless charging systems designed for a wide range of portable consumer electronic products such as mobile phones, tablets, cameras, MP3 players, battery chargers, scanners, gaming industry.

Power	Inductance	Ind. Test Freq	Winding
5W ~ 15W	6.3μH	100kHz	Single
Qi Design	DCR (Ω)	Irms	Size (mm)
A11	45	5.0A	50.0L x 50.0W x 3.0H



CTTX1065360SF

Transmitter Coils

Description

Wireless power charging transmitting coil

Application Use

Used in wireless charging systems designed for a wide range of portable consumer electronic products such as mobile phones, tablets, cameras, MP3 players, battery chargers, scanners, gaming industry.

Power	Inductance	Ind. Test Freq	Winding
5W ~ 10W	(coil 1 & 3): 12.5μH (coil 2): 11.5μH	100kHz	Single
Qi Design	DCR (Ω)	Irms	Size (mm)
A6	80	6.5A	53.0L x 106.0W x 6.0H

RF MAGNETICS

SURFACE MOUNT PRODUCT GUIDE

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CT0201F

Multilayer Chip Inductors – Ceramic

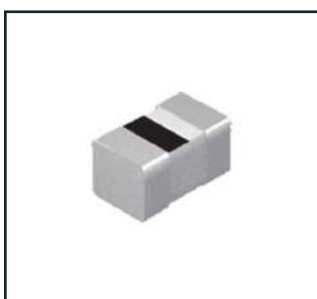
Description

SMD ceramic core, multilayer chip inductor for high frequency

Application Use

Cellular telephones, cordless telephones, pagers, computer communications, radar detectors, automotive electronics, keyless remotes, and miscellaneous high frequency circuits.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0nH ~ 100nH	100MHz	4	900MHz ~ 10000MHz	0.11 ~ 4.0	60mA ~ 470mA	0.6L x 0.3W x 0.3H



CT0201HQF

Multilayer Chip Inductors – Ceramic

Description

SMD ceramic core, high Q multilayer chip inductor for high frequency

Application Use

Cellular telephones, Bluetooth, computer communications, radar detectors, automotive electronics, WLAN, UWB, digital TV tuners, keyless remotes and miscellaneous high frequency applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.6nH ~ 22nH	500MHz	14	1900MHz ~ 10000MHz	0.06 ~ 1.29	190mA ~ 900mA	0.6L x 0.3W x 0.3H



CTLL1005F-FH

Multilayer Chip Inductors – Ceramic

Description

SMD ceramic core, multilayer chip inductor for high frequency

Application Use

Portable telephones, PMS, pagers and miscellaneous high frequency circuits.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0nH ~ 120nH	100MHz	8	600MHz ~ 10000MHz	0.07 ~ 2.5	100mA ~ 300mA	1.0L x 0.5W x 0.5H



CTLL1005SF

Multilayer Chip Inductors – Ceramic

Description

SMD ceramic core, multilayer chip inductor for high frequency

Application Use

Cellular telephones, Bluetooth, computer communications, radar detectors, automotive electronics, WLAN, UWB, digital TV tuners, keyless remotes and miscellaneous high frequency circuits.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0nH ~ 360nH	1.0nH ~ 270nH @ 100MHz; 330nH ~ 360nH @ 50MHz	6 ~ 8	350MHz ~ 10000MHz	0.06 ~ 6.0	80mA ~ 1000mA	1.0L x 0.5W x 0.5H



CTLL1608F

Multilayer Chip Inductors – Ceramic

Description

SMD ceramic core, multilayer chip inductor for high frequency

Application Use

Portable telephones, PMS, pagers and miscellaneous high frequency circuits.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.2nH ~ 100nH	100MHz	3 ~ 40	830MHz ~ 6000MHz	0.1 ~ 2.5	300mA	1.6L x 0.8W x 0.8H



CTLL1608F-FH

Multilayer Chip Inductors – Ceramic

Description

SMD ceramic core, multilayer chip inductor for high frequency

Application Use

Portable telephones, PMS, pagers and miscellaneous high frequency circuits.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0nH ~ 220nH	1.0nH ~ 100nH @ 100MHz; 120nH ~ 220nH @ 50MHz	8 ~ 12	500MHz ~ 10000MHz	0.1 ~ 2.0	250mA ~ 600mA	1.6L x 0.8W x 0.8H



CTLL1608SF

Multilayer Chip Inductors – Ceramic

Description

SMD ceramic core, multilayer chip inductor for high frequency

Application Use

Cellular phones, Bluetooth, computer communications, radar detectors, automotive electronics, WLAN, UWB, digital TV tuners, keyless remotes, miscellaneous high frequency circuits

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0nH ~ 470nH	1.0nH ~ 100nH @ 100MHz; 120nH ~ 470nH @ 50MHz	8 ~ 12	0.25GHz ~ 10GHz	0.05 ~ 3.6	150mA ~ 500mA	1.6L x 0.8W x 0.8H



CTLL2012SF

Multilayer Chip Inductors – Ceramic

Description

SMD ceramic core, multilayer chip inductor for high frequency

Application Use

Cellular phones, Bluetooth, computer communications, radar detectors, automotive electronics, WLAN, UWB, digital TV tuners, keyless remotes, miscellaneous high frequency circuits

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0nH ~ 120nH	100MHz	10 ~ 18	0.5GHz ~ 10GHz	0.10 ~ 0.95	300mA	2.0L x 1.25W x 0.85H



CTML0603F

Multilayer Chip Inductors – Ferrite

Description

SMD ferrite core, multilayer chip inductor

Application Use

LC resonant circuits such as oscillator and signal generators, RF filters, disk drives, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.047 μ H ~ 22 μ H	0.047 μ H ~ 0.082 μ H @ 50MHz; 0.10 μ H ~ 0.82 μ H @ 25MHz; 1.0 μ H ~ 4.7 μ H @ 10MHz; 5.6 μ H ~ 8.2 μ H @ 4MHz; 10 μ H ~ 12 μ H @ 2MHz; 15 μ H ~ 22 μ H @ 1MHz	10 ~ 35	11MHz ~ 260MHz	0.30 ~ 2.1	1.0mA ~ 50mA	1.6L x 0.8W x 0.8H



CTML0805F

Multilayer Chip Inductors – Ferrite

Description

SMD ferrite core, multilayer chip inductor

Application Use

LC resonant circuits such as oscillator and signal generators, RF filters, disk drives, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.047 μ H ~ 27 μ H	0.047 μ H ~ 0.082 μ H @ 50MHz; 0.10 μ H ~ 0.82 μ H @ 25MHz; 1.0 μ H ~ 4.7 μ H @ 10MHz; 5.6 μ H ~ 8.2 μ H @ 4MHz; 10 μ H ~ 12 μ H @ 2MHz; 15 μ H ~ 27 μ H @ 1MHz	15 ~ 50	14MHz ~ 320MHz	0.20 ~ 1.2	5.0mA ~ 300mA	2.0L x 1.25W x 0.9~1.25H



CTML1206F

Multilayer Chip Inductors – Ferrite

Description

SMD ferrite core, multilayer chip inductor

Application Use

LC resonant circuits such as oscillator and signal generators, RF filters, disk drives, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.047 μ H ~ 33 μ H	0.047 μ H ~ 0.082 μ H @ 50MHz; 0.10 μ H ~ 0.82 μ H @ 25MHz; 1.0 μ H ~ 4.7 μ H @ 10MHz; 5.6 μ H ~ 8.2 μ H @ 4MHz; 10 μ H ~ 12 μ H @ 2MHz; 15 μ H ~ 27 μ H @ 1MHz; 33 μ H @ 0.40MHz	25 ~ 45	13MHz ~ 320MHz	0.15 ~ 1.0	5.0mA ~ 300mA	3.2L x 1.6W x 1.3H



CTML1206HCF

Multilayer Chip Inductors – Ferrite

Description

SMD ferrite core, multilayer chip inductor

Application Use

LC resonant circuits such as oscillator and signal generators, RF filters, disk drives, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.47 μ H ~ 4.7 μ H	1MHz		20MHz ~ 100MHz	0.14 ~ 0.30	1100mA ~ 1500mA	3.2L x 1.6W x 1.1H



CTTF0201F

Thin Film Chip Inductors – Ceramic

Description

SMD thin film chip inductor

Application Use

Cellular telephone, pagers, GPS products, wireless LAN and other communication appliances, VCO, TCXO, circuit and RF Transceiver Module.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.1nH ~ 10nH	500MHz		2000MHz ~ 9000MHz	0.2 ~ 3.5	80mA ~ 400mA	0.6L x 0.3W x 0.23H



CTTF0201HCF

Thin Film Chip Inductors – Ceramic

Description

SMD high current thin film chip inductor

Application Use

Cellular telephone, pagers, GPS products, wireless LAN and other communication appliances, VCO, TCXO, circuit and RF Transceiver Module.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.1nH ~ 4.0nH	500MHz	10	6000MHz	0.05 ~ 0.80	350mA ~ 600mA	0.6L x 0.3W x 0.23H



CTTF0402F

Thin Film Chip Inductors – Ceramic

Description

SMD thin film chip inductor

Application Use

Cellular telephone, pagers, GPS products, wireless LAN and other communication appliances, VCO, TCXO, circuit and RF Transceiver Module.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.2nH ~ 33nH	500MHz	13	2800MHz ~ 6000MHz	0.1 ~ 2.5	75mA ~ 800mA	1.0L x 0.5W x 0.35H



CT0201CSF

Wire-wound Chip Inductors – Ceramic

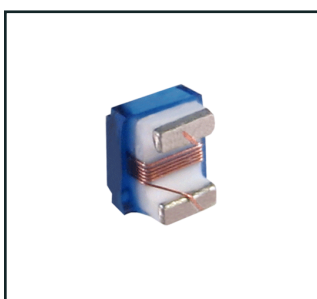
Description

SMD ceramic core wire-wound chip inductor

Application Use

RF products for cellular phone, GPS receiver, Base Station, Repeater, Wireless LAN/mouse/keyboard/earphone, Remote control, Security system.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.5nH ~ 14nH	250MHz	4 ~ 18	5100MHz ~ 24500MHz	0.02 ~ 0.5	270mA ~ 1250mA	0.58L x 0.46W x 0.45H



CT0402CSF

Wire-wound Chip Inductors – Ceramic

Description

SMD ceramic core wire-wound chip inductor

Application Use

Telecommunication equipment, mobile phones, small size pagers, computers, printers and relevant equipment. Also, audio and video applications, the automotive electronics industry and high frequency applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0nH ~ 120nH	250MHz	15 ~ 25	1800MHz ~ 12700MHz	0.045 ~ 2.66	30mA ~ 1360mA	1.0L x 0.68W x 0.55H



CT0402HPF

Wire-wound Chip Inductors – Ceramic

Description

SMD ceramic core wire-wound chip inductor

Application Use

Cellular phone, cordless phone, remote control, security systems, wireless PDA, mouse, keyboard, GPS receiver, set top box, base station, repeater.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0nH ~ 51nH	250MHz	46 ~ 73	2300MHz ~ 16000MHz	0.03 ~ 0.7	360mA ~ 2300mA	1.27L x 0.76W x 0.61H



CT0402QWF

Wire-wound Chip Inductors – Ceramic

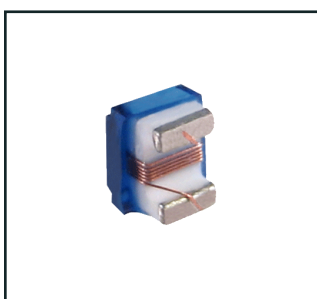
Description

SMD ceramic core wire-wound chip inductor

Application Use

RF products for cellular phone, GPS receivers, base stations, repeaters, wireless LAN/mouse/ keyboard/earphone, remote controls, security systems and high frequency applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.5nH ~ 120nH	100MHz	10 ~ 30	1000MHz ~ 18000MHz	0.03W ~ 2.66W	110mA ~ 1000mA	1.05L x 0.6W x 0.5H



CT0603CSF

Wire-wound Chip Inductors – Ceramic

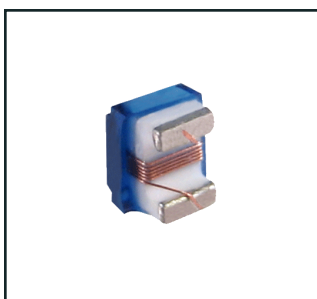
Description

SMD ceramic core wire-wound chip inductor

Application Use

RF products for cellular phone, GPS receivers, base stations, repeaters, wireless LAN/mouse/ keyboard/earphone, remote controls, security systems and high frequency applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.6nH ~ 390nH	1.6nH ~ 43nH @ 250MHz; 47nH ~ 68nH @ 200MHz; 72nH ~ 150nH @ 150MHz; 180nH ~ 390nH @ 100MHz	13 ~ 40	900MHz ~ 12500MHz	0.03 ~ 4.35	100mA ~ 700mA	1.8L x 1.12W x 1.02H



CT0603CTF

Wire-wound Chip Inductors – Ceramic

Description

SMD ceramic core wire-wound chip inductor

Application Use

RF products for cellular phone, GPS receivers, base stations, repeaters, wireless LAN/mouse/ keyboard/earphone, remote controls, security systems and high frequency applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0nH ~ 56nH	250MHz	12 ~ 29	1750MHz ~ 16000MHz	0.034 ~ 0.7	420mA ~ 1900mA	1.6L x 0.9W x 0.55H



CT0603HCF

Wire-wound Chip Inductors – Ceramic

Description

SMD high current ceramic core wire-wound chip inductor

Application Use

Telecommunication equipment, mobile phones, small size pagers, computers, printers and relevant equipment. Also, audio and video applications and the automotive electronics industry. High frequency applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.6nH ~ 26nH	250MHz	24 ~ 42	2400MHz ~ 12500MHz	0.03 ~ 0.105	1800mA ~ 2400mA	1.8L x 1.12W x 1.02H



CT0603HPF

Wire-wound Chip Inductors – Ceramic

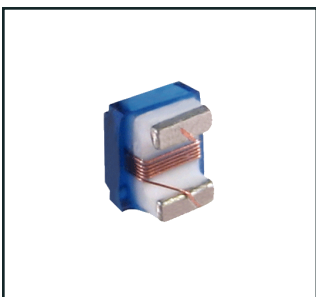
Description

SMD ceramic core wire-wound chip inductor

Application Use

Cellular phone, cordless phone, remote control, security systems, wireless PDA, wireless LAN, mouse, keyboard, GPS receiver, set top box, base station, repeater.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.8nH ~ 390nH	1.8nH ~ 43nH @ 250MHz; 47nH ~ 68nH @ 200MHz; 72nH ~ 150nH @ 150MHz; 180nH ~ 390nH @ 100MHz	13 ~ 49	880MHz ~ 16000MHz	0.033 ~ 4.0	170mA ~ 2100mA	1.6L x 1.0W x 0.82H



CT0603HPHF

Wire-wound Chip Inductors – Ceramic

Description

SMD ceramic core wire-wound chip inductor

Application Use

Cellular phone, cordless phone, remote control, security systems, wireless PDA, wireless LAN, mouse, keyboard, GPS receiver, set top box, base station, repeater.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
3.3nH ~ 18nH	250MHz	28 ~ 49	3300MHz ~ 9600MHz	0.034 ~ 0.088	1100mA ~ 1900mA	1.6L x 1.12W x 0.82H



CT0603QWF

Wire-wound Chip Inductors – Ceramic

Description

SMD ceramic core wire-wound chip inductor

Application Use

RF products for cellular phone, GPS receivers, base stations, repeaters, wireless LAN/mouse/keyboard/earphone, remote controls, security systems and high frequency applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
2.2nH ~ 470nH	100MHz	16 ~ 40	700MHz ~ 6000MHz	0.049 ~ 7.0	75mA ~ 850mA	1.6L x 1.02W x 0.82H



CT0805CSF

Wire-wound Chip Inductors – Ceramic

Description

SMD ceramic core wire-wound chip inductor

Application Use

LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
2.2nH ~ 2700nH	2.2nH ~ 39nH @ 250MHz; 43nH ~ 72nH @ 200MHz; 82nH ~ 120nH @ 150MHz; 150nH ~ 390nH @ 100MHz; 470nH @ 50MHz; 560nH ~ 1000nH @ 25MHz; 1200nH ~ 2700nH @ 7.9MHz	15 ~ 80	50MHz ~ 6000MHz	0.06 ~ 2.95	150mA ~ 800mA	2.35L x 1.73W x 1.52H



CT0805HQF

Wire-wound Chip Inductors – Ceramic

Description

SMD high Q ceramic core wire-wound chip inductor

Application Use

LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
2.5nH ~ 51nH	2.5nH ~ 39nH @ 250MHz; 48nH ~ 51nH @ 200MHz	65 ~ 98	1400MHz ~ 6000MHz	0.02 ~ 0.12	1000mA ~ 1600mA	2.29L x 1.78W x 1.56H



CT0805HTF

Wire-wound Chip Inductors – Ceramic

Description

SMD ceramic core wire-wound chip inductor

Application Use

LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.8nH ~ 1000nH	1.8nH ~ 39nH @ 250MHz; 47nH ~ 68nH @ 200MHz; 82nH ~ 270nH @ 150MHz; 330nH ~ 390nH @ 100MHz; 470nH @ 50MHz; 560nH ~ 1000nH @ 25MHz	17 ~ 55	330MHz ~ 9400MHz	0.03 ~ 3.1	300mA ~ 800mA	2.35L x 1.73W x 1.1H



CT1008CSF

Wire-wound Chip Inductors – Ceramic

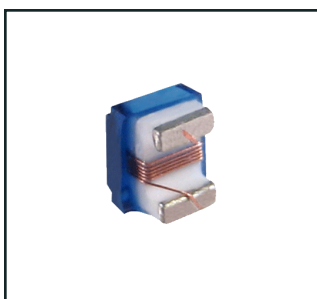
Description

SMD ceramic core wire-wound chip inductor

Application Use

LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
3.9nH ~ 10000nH	3.9nH ~ 82nH @ 50MHz; 100nH ~ 1000nH @ 25MHz; 1200nH ~ 8200nH @ 7.9MHz; 10000nH @ 2.52MHz	15 ~ 65	20MHz ~ 6000MHz	0.05 ~ 9.0	150mA ~ 1100mA	2.92L x 2.79W x 2.1H



CT1008HQF

Wire-wound Chip Inductors – Ceramic

Description

SMD high Q ceramic core wire-wound chip inductor

Application Use

LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
3.0nH ~ 390nH	3.0nH ~ 100nH @ 50MHz; 120nH ~ 390nH @ 25MHz	48 ~ 80	530MHz ~ 6000MHz	0.04 ~ 0.70	900mA ~ 1600mA	2.96L x 2.79W x 2.1H



CT1206CSF

Wire-wound Chip Inductors – Ceramic

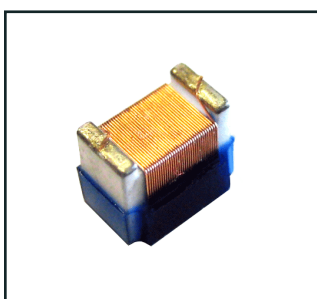
Description

SMD ceramic core wire-wound chip inductor

Application Use

Telecommunication equipment, mobile phones, small size pagers, computers, printers and relevant equipment. Also, audio and video applications and the automotive electronics industry. High frequency applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
3.3nH ~ 1200nH	3.3nH ~ 150nH @ 100MHz; 180nH ~ 560nH @ 50MHz; 680nH ~ 1200nH @ 35MHz	30 ~ 60	380MHz ~ 6000MHz	0.05 ~ 3.2	300mA ~ 1000mA	3.56L x 2.16W x 1.52H



CT1812CSF

Wire-wound Chip Inductors – Ceramic

Description

SMD ceramic core wire-wound chip inductor

Application Use

RF products for cellular phone, GPS receivers, base stations, repeaters, wireless LAN/mouse/keyboard/earphone, remote controls, security systems.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0 μ H ~ 33 μ H	1.0 μ H ~ 10 μ H @ 7.9MHz; 12 μ H ~ 33 μ H @ 2.5MHz	20 ~ 68	20MHz ~ 310MHz	1.2 ~ 13.5	145mA ~ 480mA	4.95L x 3.81W x 3.43H



CT0201LSF

Wire-wound Chip Inductors – Ferrite

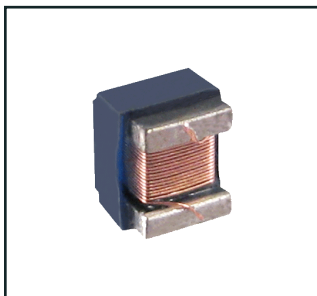
Description

SMD ferrite core wire-wound chip inductor

Application Use

Telecom and datacom appliances such as xDSL, Cable modem, Set top box, CATV filter/tuner, Wireless LAN

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
2.2nH ~ 200nH	100MHz	5 ~ 9	1400MHz ~ 3000MHz	0.09 ~ 0.95	260mA ~ 1600mA	0.58L x 0.46W x 0.45H



CT0402LSF

Wire-wound Chip Inductors – Ferrite

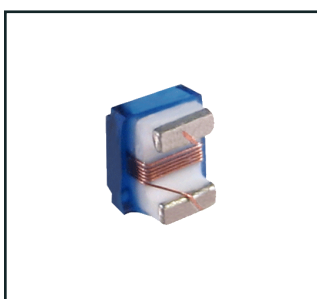
Description

SMD ferrite core wire-wound chip inductor

Application Use

Telecom, cable modem, set top box, CATV filter/tuner, wireless LAN

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.020 μ H ~ 0.56 μ H	0.020 μ H ~ 0.10 μ H @ 100MHz; 0.14 μ H ~ 0.22 μ H @ 50MHz; 0.25 μ H ~ 0.30 μ H @ 25MHz; 0.33 μ H ~ 0.56 μ H @ 7.9MHz		600MHz ~ 2600MHz	0.05 ~ 1.1	200mA ~ 1600mA	1.02L x 0.55W x 0.56H



CT0603LSF

Wire-wound Chip Inductors – Ferrite

Description

SMD ferrite core wire-wound chip inductor

Application Use

LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
47nH ~ 10000nH	7.9MHz	17 ~ 19	40MHz ~ 1700MHz	0.075 ~ 4.8	300mA ~ 1500mA	1.8L x 1.25W x 1.02H



CT0805FSF

Wire-wound Chip Inductors – Ferrite

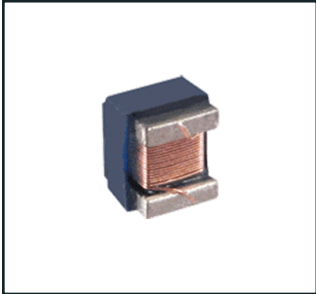
Description

SMD ferrite core wire-wound chip inductor

Application Use

LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.12 μ H ~ 8.2 μ H	0.12 μ H ~ 0.82 μ H @ 25.2MHz; 1.0 μ H ~ 8.2 μ H @ 7.96MHz	15 ~ 20	33MHz ~ 900MHz	0.18 ~ 3.3	180mA ~ 1100mA	2.29L x 1.73W x 1.45H



CT0805LDLSF

Wire-wound Chip Inductors – Ferrite

Description

SMD ferrite core wire-wound chip inductor. Low DC resistance.

Application Use

LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0 μ H ~ 100 μ H	1.0 μ H ~ 6.8 μ H @ 7.96MHz; 10 μ H ~ 68 μ H @ 2.52MHz; 100 μ H @ 1.00MHz	12 ~ 24	9MHz ~ 100MHz	0.10 ~ 9.0	70mA ~ 800mA	2.4L x 1.72W x 1.52H



CT0805LSF

Wire-wound Chip Inductors – Ferrite

Description

SMD ferrite core wire-wound chip inductor.

Application Use

LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
78nH ~ 47000nH	78nH ~ 6800nH @ 7.9MHz; 8200nH ~ 47000nH @ 2.5MHz	16 ~ 20	15MHz ~ 1400MHz	0.06 ~ 14.5	180mA ~ 2000mA	2.29L x 1.6W x 1.52H



CT1008LDLSF

Wire-wound Chip Inductors – Ferrite

Description

SMD ferrite core wire-wound chip inductor. Low DC resistance.

Application Use

LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.9 μ H ~ 10 μ H	2.5MHz	20 ~ 25	20MHz ~ 300MHz	0.10 ~ 0.48	450mA ~ 1400mA	2.99L x 2.5W x 2.2H



CT1008LSCF

Wire-wound Chip Inductors – Ferrite

Description

SMD ferrite core wire-wound chip inductor.

Application Use

LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.005 μ H ~ 100 μ H	0.005 μ H ~ 0.10 μ H @ 100MHz; 0.12 μ H ~ 0.82 μ H @ 25.2MHz; 1.0 μ H ~ 8.2 μ H @ 7.96MHz; 10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H @ 0.796MHz	8 ~ 35	12MHz ~ 3000MHz	0.25 ~ 21	120mA ~ 2000mA	2.92L x 2.79W x 2.1H



CT1008LSF

Wire-wound Chip Inductors – Ferrite

Description

SMD ferrite core wire-wound chip inductor.

Application Use

LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0 μ H ~ 15 μ H	7.9MHz	23 ~ 48	38MHz ~ 230MHz	0.62 ~ 2.95	300mA ~ 700mA	2.99L x 2.79W x 2.2H



CT1008PSF

Wire-wound Chip Inductors – Ferrite

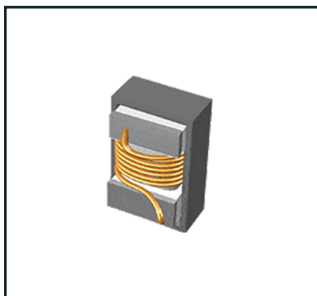
Description

SMD shielded ferrite core wire-wound chip inductor.

Application Use

LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0 μ H ~ 1000 μ H	100kHz	20 ~ 33	1.5MHz ~ 344MHz	0.05 ~ 29.2	0.10A ~ 3.0A	3.81L x 3.81W x 2.94H



CT1210LSCF

Wire-wound Chip Inductors – Ferrite

Description

SMD ferrite core wire-wound chip inductor.

Application Use

LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.47 μ H ~ 680 μ H	0.47 μ H @ 25.2MHz; 1.0 μ H ~ 8.2 μ H @ 7.96MHz; 10 μ H ~ 68 μ H 2.52MHz; 100 μ H ~ 680 μ H @ 0.796MHz	15 ~ 40	2MHz ~ 450MHz	0.07 ~ 28	65mA ~ 1800mA	3.7L x 2.9W x 2.6H



CTLQ1206NF

Wire-wound Chip Inductors – Ferrite

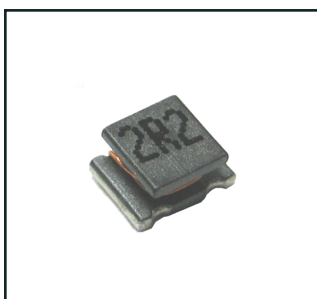
Description

SMD wire-wound chip inductor.

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.15 μ H ~ 100 μ H	1.0MHz	20 ~ 40	7MHz ~ 250MHz	0.54 ~ 15.6	45mA ~ 250mA	3.2L x 1.6W x 1.8H



CTLQ121006HF

Wire-wound Chip Inductors – Ferrite

Description

SMD wire-wound chip inductor.

Application Use

Personal computers, disk drives and computer peripherals, portable communication equipment, DC power supply circuit

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.47 μ H ~ 47 μ H	1.0MHz		11MHz ~ 100MHz	0.030 ~ 1.48	280mA ~ 3400mA	3.2L x 2.5W x 1.55H



CTLQ1210CF

Wire-wound Chip Inductors – Ferrite

Description

SMD wire-wound chip inductor.

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0 μ H ~ 560 μ H	1.0 μ H ~ 390 μ H @ 1MHz; 470 μ H ~ 560 μ H @ 1kHz		5MHz ~ 96MHz	0.12 ~ 30	60mA ~ 800mA	3.2L x 2.5W x 2.0H



CTLQ1210LF

Wire-wound Chip Inductors – Ferrite

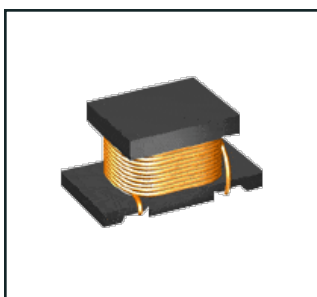
Description

SMD wire-wound chip inductor.

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.15 μ H ~ 10 μ H	1.0MHz		26MHz ~ 400MHz	0.028 ~ 0.3	450mA ~ 1450mA	3.2L x 2.5W x 2.0H



CTLQ1210NF

Wire-wound Chip Inductors – Ferrite

Description

SMD wire-wound chip inductor.

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.10 μ H ~ 560 μ H	0.10 μ H ~ 390 μ H @ 1MHz; 470 μ H ~ 560 μ H @ 1kHz		5MHz ~ 200MHz	0.25 ~ 28	40mA ~ 700mA	3.2L x 2.5W x 2.0H



CTLQ1812CF

Wire-wound Chip Inductors – Ferrite

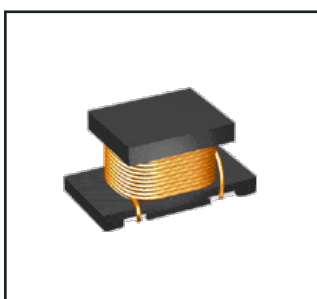
Description

SMD wire-wound chip inductor.

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0 μ H ~ 470 μ H	1.0 μ H ~ 330 μ H @ 1MHz; 470 μ H @ 1kHz		3MHz ~ 100MHz	0.08 ~ 8.5	90mA ~ 1080mA	4.5L x 3.2W x 2.6H



CTLQ1812NF

Wire-wound Chip Inductors – Ferrite

Description

SMD wire-wound chip inductor.

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0 μ H ~ 2200 μ H	1.0 μ H ~ 390 μ H @ 1MHz; 470 μ H ~ 2200 μ H @ 1kHz	20 ~ 40	1.3MHz ~ 120MHz	0.20 ~ 50	30mA ~ 500mA	4.5L x 3.2W x 2.6H



CTLQ2220CF

Wire-wound Chip Inductors – Ferrite

Description

SMD wire-wound chip inductor.

Application Use

Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.12 μ H ~ 10000 μ H	0.12 μ H ~ 68 μ H @ 1MHz; 100 μ H ~ 680 μ H @ 100kHz; 1000 μ H ~ 10000 μ H @ 10kHz		0.5MHz ~ 450MHz	0.098 ~ 140	0.05A ~ 6.0A	5.7L x 5.0W x 4.7H



CT1210SF

Wire-wound Chip Inductors – Ferrite

Description

SMD shielded wire-wound chip inductor

Application Use

Personal computers, ADSL/VoIP, hard disk drives.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.27 μ H ~ 1000 μ H	0.12 μ H ~ 1.2 μ H @ 2.52MHz; 2.7 μ H ~ 6.8 μ H @ 7.96MHz; 10 μ H ~ 100 μ H @ 2.52MHz; 1000 μ H @ 0.796MHz		2.4MHz ~ 310MHz	0.33 ~ 14	5mA ~ 500mA	3.2L x 2.5W x 2.2H



CT1812SF

Wire-wound Chip Inductors – Ferrite

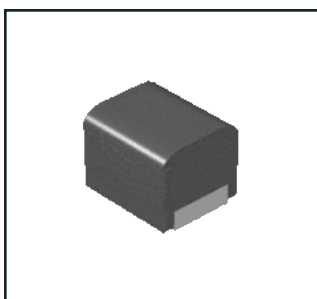
Description

SMD shielded wire-wound chip inductor

Application Use

Personal computers, ADSL/VoIP, hard disk drives.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
4.7 μ H ~ 1000 μ H	4.7 μ H ~ 8.2 μ H @ 7.96MHz; 10 μ H ~ 100 μ H @ 2.52MHz; 120 μ H ~ 1000 μ H @ 0.796MHz		1.45MHz ~ 50MHz	0.82 ~ 29	6mA ~ 471mA	4.5L x 3.2W x 3.2H



CTMC1008F

Molded Wire-wound Chip Inductors

Description

SMD ferrite core wire-wound molded chip inductor.

Application Use

TV's, disk drives, computer peripherals, telecommunications devices and electronic control boards for automobiles.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.01 μ H ~ 100 μ H	0.01 μ H ~ 0.10 μ H @ 100MHz; 0.12 μ H ~ 0.82 μ H @ 25.2MHz; 1.0 μ H ~ 8.2 μ H @ 7.96MHz; 10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H @ 0.796MHz	15 ~ 30	12MHz ~ 2150MHz	0.26 ~ 21	60mA ~ 550mA	2.5L x 2.0W x 1.8H



CTMC1210SF

Molded Wire-wound Chip Inductors

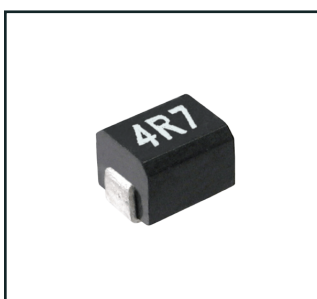
Description

SMD ferrite core wire-wound molded chip inductor.

Application Use

TV's, mobile phones, disk drives, computer peripherals, telecommunication devices, electronic control boards for automobiles

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.12μH ~ 150μH	0.12μH ~ 0.82μH @ 25.2MHz; 1.0μH ~ 8.2μH @ 7.96MHz; 10μH ~ 82μH @ 2.52MHz; 100μH ~ 150μH @ 0.796MHz	20 ~ 30	7MHz ~ 875MHz	0.22 ~ 15	40mA ~ 450mA	3.2L x 2.5W x 2.2H



CTHC1210SF

Molded Wire-wound Chip Inductors

Description

SMD ferrite core wire-wound molded chip inductor.

Application Use

TV's, mobile phones, disk drives, computer peripherals, telecommunication devices, electronic control boards for automobiles

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0μH ~ 100μH	1.0μH ~ 6.8μH @ 7.96MHz; 10μH ~ 82μH @ 2.52MHz; 100μH @ 0.796MHz	10 ~ 20	9MHz ~ 145MHz	0.156 ~ 10.14	75mA ~ 770mA	3.2L x 2.5W x 2.2H



CTMC1812SF

Molded Wire-wound Chip Inductors

Description

SMD ferrite core wire-wound molded chip inductor.

Application Use

TV's, mobile phones, disk drives, computer peripherals, telecommunication devices, electronic control boards for automobiles

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.10μH ~ 1000μH	0.10μH ~ 0.82μH @ 25.2MHz; 1.0μH ~ 8.2μH @ 7.96MHz; 10μH ~ 82μH @ 2.52MHz; 100μH ~ 820μH @ 0.796MHz; 1000μH @ 0.252MHz	20 ~ 50	2.5MHz ~ 780MHz	0.18 ~ 40	30mA ~ 800mA	4.5L x 3.2W x 3.2H



CTHC1812SF

Molded Wire-wound Chip Inductors

Description

SMD ferrite core wire-wound molded chip inductor.

Application Use

TV's, mobile phones, disk drives, computer peripherals, telecommunication devices, electronic control boards for automobiles

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0 μ H ~ 680 μ H	1.0 μ H ~ 8.2 μ H @ 7.96MHz; 10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 680 μ H @ 0.796MHz	10 ~ 20	2.5MHz ~ 265MHz	0.11 ~ 24.2	65mA ~ 1050mA	4.5L x 3.2W x 3.2H



CTMC2220F

Molded Wire-wound Chip Inductors

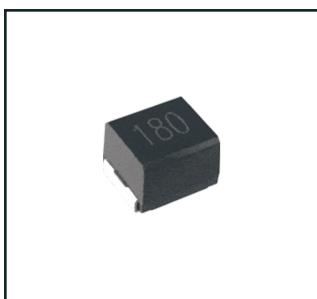
Description

SMD ferrite core wire-wound molded chip inductor.

Application Use

TV's, disk drives, computer peripherals, telecommunications devices and electronic control boards for automobiles.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1200 μ H ~ 10000 μ H	1200 μ H ~ 8200 μ H @ 0.252MHz; 10000 μ H @ 0.0796MHz	15 ~ 20	0.5MHz ~ 1.5MHz	17 ~ 150	25mA ~ 75mA	5.9L x 5.2W x 4.3H



CTHC2220F

Molded Wire-wound Chip Inductors

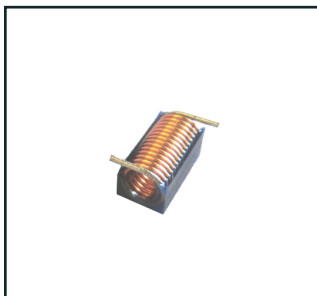
Description

SMD molded high current inductors

Application Use

TV's, disk drives, computer peripherals, telecommunication devices and electronic control board for automobiles.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0 μ H ~ 1000 μ H	1.0 μ H ~ 8.2 μ H @ 7.96MHz; 10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 820 μ H @ 0.796MHz; 1000 μ H @ 0.252MHz			0.03 ~ 15	85mA ~ 1800mA	5.6L x 5.0W x 4.0H



CT132SMF

Air Core Inductors

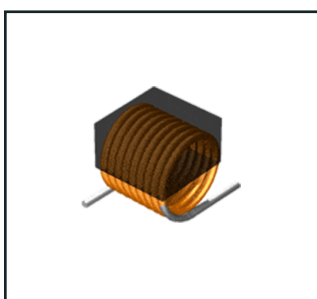
Description

SMD air core inductor

Application Use

Pagers, cordless phones, high frequency communication products, intercom, CATV

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
90nH ~ 538nH	50MHz	100	0.4GHz ~ 1.0GHz	8.2 ~ 41.6	2A ~ 3.5A	9.0L x 4.4W x 4.6H



CT1812SMSF

Air Core Inductors

Description

SMD air core inductor

Application Use

Pagers, cordless phones, high frequency communication products, intercom, CATV

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
22nH ~ 120nH	150MHz	100	1.1GHz ~ 3.2GHz	4.4 ~ 10.7	2.2A ~ 3.5A	4.7L x 3.5W x 3.5H



CT2214F & CT4015F

Air Core Inductors

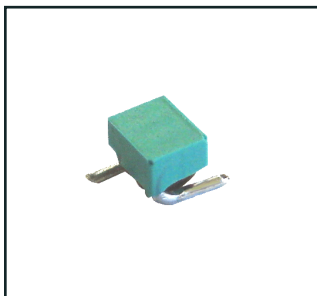
Description

SMD air core inductor

Application Use

Designed to operate a wide frequency range application. Also designed to operate in high Q applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.65nH ~ 12.55nH	800MHz	100	3.0GHz			(CT2214F (ref. disty as: 1.65nH ~ 5.45nH)):2.2L x 1.4W x 1.4H Size (CT4015F (ref. disty as: 5.6nH ~ 12.55nH)):4.0L x 1.5W x 1.5H



CTAF & CTBF

Air Core Inductors

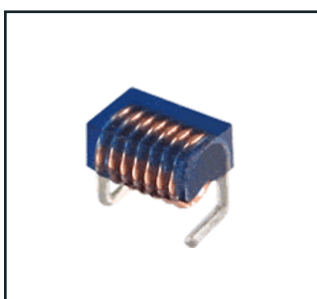
Description

SMD air core inductor

Application Use

Designed to operate a wide frequency range application. Also designed to operate in high Q applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
2.5nH ~ 43nH	150MHz	102 ~ 145	1.2GHz ~ 12.5GHz			(CTAF 3.68L x 3.05W x 3.18H CTBF 6.86L x 3.05W x 3.18H)



CTAC0805F

Air Core Inductors

Description

Description: SMD air core inductor

Application Use

Applications: Pagers, cordless phones, high frequency communication products, intercom, CATV

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
3.9nH ~ 33nH	300MHz	70 ~ 80	1600MHz ~ 3000MHz	2.6 ~ 18.7	500mA ~ 1200mA	2.85L x 1.8W x 2.1H



CTAC1008F

Air Core Inductors

Description

Description: SMD air core inductor

Application Use

Applications: Pagers, cordless phones, high frequency communication products, intercom, CATV

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
6.8nH ~ 120nH	300MHz	70 ~ 80	950MHz ~ 3000MHz	4 ~ 63.4	320mA ~ 1200mA	3.2L x 1.9W x 2.2H



CT0806SQF

Air Core Inductors

Description

Description: SMD square air core inductor

Application Use

Applications: Electronic products, communication equipment, computer devices, TV, DVD, mobile chargers.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
5.5nH ~ 19.4nH	400MHz	60 ~ 90	4GHz ~ 5.2GHz	3.4 ~ 10	2.9A	1.295 ~ 2.591L x 1.829W x 1.397H



CT0807SQF

Air Core Inductors

Description

Description: SMD square air core inductor

Application Use

Applications: Electronic products, communication equipment, computer devices, TV, DVD, mobile chargers.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
6.9nH ~ 22nH	400MHz	90 ~ 100	3.5GHz ~ 4.6GHz	6 ~ 10	2.7A	1.295 ~ 2.591L x 1.829W x 1.524H



CT0908SQF

Air Core Inductors

Description

Description: SMD square air core inductor

Application Use

Applications: Electronic products, communication equipment, computer devices, TV, DVD, mobile chargers.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
8.1nH ~ 27.3nH	400MHz	90 ~ 130	2.5GHz ~ 5.2GHz	6 ~ 10	4.4A	1.473 ~ 2.972L x 2.134W x 1.829H



CTRA1816F

RFID

Description

Description: SMD RFID antenna coil

Application Use

Applications: Designed for radio frequency identification systems, keyless go systems (keyless entry), tire pressure monitoring system (TPMS), access control, tracking devices.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
2.47mH ~ 10mH	125kHz	23 ~ 30				15.5L x 17.5W x 3.8H



CTTC1103F

RFID

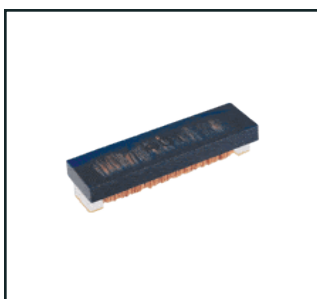
Description

Description: SMD RFID transponder coil

Application Use

Applications: Designed for radio frequency identification systems, tire pressure monitoring system, car remote control key.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.25mH ~ 9.5mH	125kHz	30 ~ 40	450kHz ~ 2000kHz	4 ~ 108		11.8L x 3.3W x 3.0H



CTTC4308F

RFID

Description

Description: SMD RFID transponder coil

Application Use

Applications: Designed for radio frequency identification systems, tire pressure monitoring system, car remote control key.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.40mH ~ 8.1mH	125kHz	15 ~ 17	960kHz ~ 4500kHz	7.4 ~ 123		11.43L x 3.15W x 2.74H

RF MAGNETICS

THROUGH HOLE PRODUCT GUIDE

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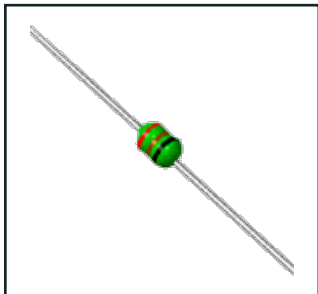
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CTC0F

Conformal Coated Inductors - Axial

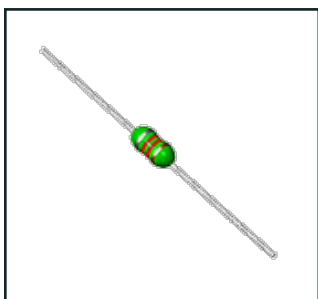
Description

Axial leaded conformal coated inductor

Application Use

Used in less harsh environments. Ideal for less critical RFL/EMI applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.22 μ H ~ 220 μ H	0.22 μ H ~ 1.0 μ H @ 25.2MHz; 1.2 μ H ~ 10 μ H @ 7.96MHz; 12 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 220 μ H @ 0.796MHz	42 ~ 55	5MHz ~ 150MHz	0.40 ~ 20	35mA ~ 400mA	2.28D x 4.31L



CTC1F

Conformal Coated Inductors - Axial

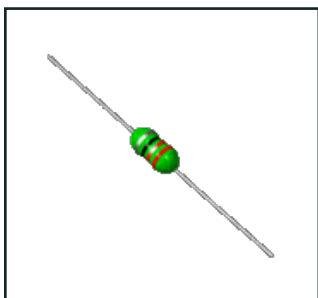
Description

Axial leaded conformal coated inductor

Application Use

Used in less harsh environments. Ideal for less critical RFL/EMI applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.10 μ H ~ 1000 μ H	0.10 μ H ~ 1.0 μ H @ 25MHz; 1.2 μ H ~ 10 μ H @ 7.9MHz; 12 μ H ~ 100 μ H @ 2.5MHz; 120 μ H ~ 1000 μ H @ 0.79MHz	25 ~ 55	3.4MHz ~ 680MHz	0.08 ~ 72	28mA ~ 1380mA	2.3D x 6.22L



CTC2F

Conformal Coated Inductors - Axial

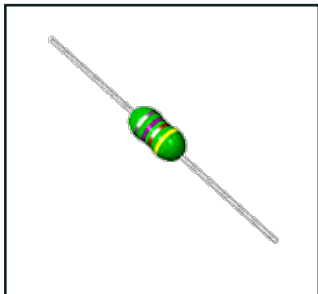
Description

Axial leaded conformal coated inductor

Application Use

Used in less harsh environments. Ideal for less critical RFL/EMI applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.022 μ H ~ 1000 μ H	0.022 μ H ~ 0.082 μ H @ 50MHz; 0.10 μ H ~ 1.0 μ H @ 25.2MHz; 1.2 μ H ~ 10 μ H @ 7.96MHz; 12 μ H ~ 100 μ H @ 2.52MHz; 120 μ H ~ 1000 μ H @ 0.796MHz	30 ~ 60	1.2MHz ~ 500MHz	0.01 ~ 30	60mA ~ 1400mA	3.0D x 7.0L



CTC3F

Conformal Coated Inductors - Axial

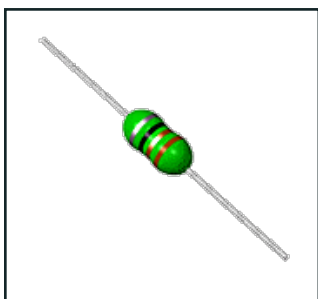
Description

Axial leaded conformal coated inductor

Application Use

Used in less harsh environments. Ideal for less critical RFL/EMI applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.10 μ H ~ 1000 μ H	0.10 μ H ~ 1.0 μ H @ 25.2MHz; 1.2 μ H ~ 10 μ H @ 7.96MHz; 12 μ H ~ 100 μ H @ 2.52MHz; 120 μ H ~ 1000 μ H @ 0.796MHz	25 ~ 75	1.4MHz ~ 320MHz	0.15 ~ 17	100mA ~ 1750mA	4.06D x 9.53L



CTC4F

Conformal Coated Inductors - Axial

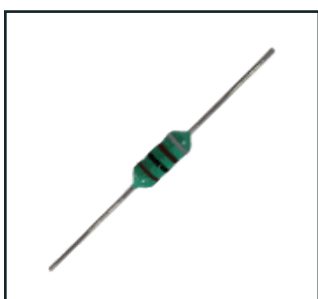
Description

Axial leaded conformal coated inductor

Application Use

Used in less harsh environments. Ideal for less critical RFL/EMI applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.10 μ H ~ 10000 μ H	0.10 μ H ~ 1.0 μ H @ 25.2MHz; 1.2 μ H ~ 10 μ H @ 7.96MHz; 12 μ H ~ 100 μ H @ 2.52MHz; 120 μ H ~ 820 μ H @ 0.796MHz; 1000 μ H ~ 10000 μ H @ 0.252MHz	20 ~ 65	0.35MHz ~ 380MHz	0.08 ~ 105	25mA ~ 1600mA	4.06D x 9.4L



CTC5F

Conformal Coated Inductors - Axial

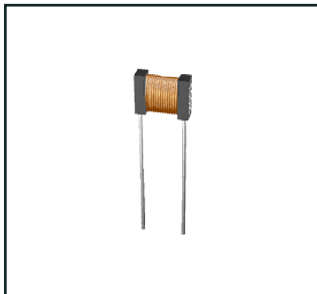
Description

Axial leaded conformal coated inductor

Application Use

Used in less harsh environments. Ideal for less critical RFL/EMI applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0 μ H ~ 10000 μ H	1.0 μ H ~ 10 μ H @ 7.9MHz; 12 μ H ~ 100 μ H @ 2.5MHz; 120 μ H ~ 1000 μ H @ 0.79MHz; 1200 μ H ~ 10000 μ H @ 0.25MHz	42 ~ 67	0.47MHz ~ 140MHz	0.07 ~ 137	49mA ~ 1900mA	4.44D x 9.52L



CTFCF

Flat Coils – Radial

Description

Radial leaded high Q flat RF choke

Application Use

Ideally suited for use in high density printed circuit board assemblies. Offers twice the inductances and Q values as axial leaded inductors.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0 μ H ~ 10000 μ H	1.0 μ H ~ 10 μ H @ 7.9MHz; 12 μ H ~ 82 μ H @ 2.5MHz; 100 μ H ~ 820 μ H @ 0.79MHz; 1000 μ H ~ 10000 μ H @ 0.25MHz	25 ~ 85		0.01 ~ 70	0.07A ~ 7A	10.1L x 3.81W x 8.9H



CTM1F

Molded Inductors – Axial

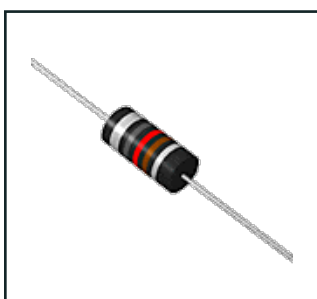
Description

Axial leaded molded inductor

Application Use

Used for various kinds of OSC and TRAP coils. Ideal for various RF applications

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.022 μ H ~ 1000 μ H	0.022 μ H @ 50MHz; 0.027 μ H ~ 1.0 μ H @ 25MHz; 1.2 μ H @ 10 μ H @ 7.9MHz; 12 μ H ~ 100 μ H @ 2.5MHz; 120 μ H ~ 1000 μ H @ 0.79MHz	25 ~ 55	3.4MHz ~ 900MHz	0.02 ~ 72	28mA ~ 2400mA	2.41D x 6.35L



CTM2F

Molded Inductors – Axial

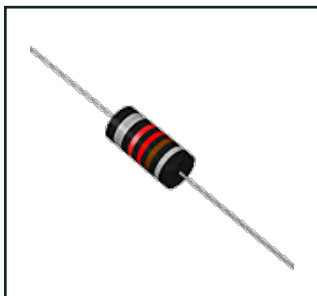
Description

Axial leaded molded inductor

Application Use

Used for various kinds of OSC and TRAP coils. Ideal for various RF applications

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.10 μ H ~ 1000 μ H	0.10 μ H ~ 1.0 μ H @ 25MHz; 1.2 μ H ~ 10 μ H @ 7.9MHz; 12 μ H ~ 100 μ H @ 2.5MHz; 110 μ H ~ 1000 μ H @ 0.79MHz	33 ~ 75	2.3MHz ~ 525MHz	0.03 ~ 33	82mA ~ 2740mA	3.96D x 9.52L



CTM3F

Molded Inductors – Axial

Description

Axial leaded molded inductor

Application Use

Used for various kinds of OSC and TRAP coils. Ideal for various RF applications

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.15 μ H ~ 1000 μ H	0.15 μ H ~ 1.0 μ H @ 25MHz; 1.2 μ H ~ 10 μ H @ 7.9MHz; 12 μ H ~ 82 μ H @ 2.5MHz; 100 μ H ~ 1000 μ H @ 0.79MHz	30 ~ 65	2.8MHz ~ 510MHz	0.03 ~ 16	78mA ~ 3050mA	4.82D x 11.2L



CTM4F

Molded Inductors – Axial

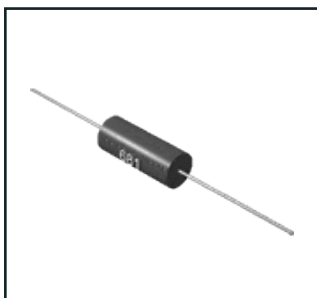
Description

Axial leaded molded inductor

Application Use

Used for various kinds of OSC and TRAP coils. Ideal for various RF applications

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1100 μ H ~ 3600 μ H	0.25MHz	60 ~ 70	1.5MHz ~ 2.8MHz	21 ~ 40	57mA ~ 78mA	5.59D x 14.22L



CTM2474F

Molded Inductors – Axial

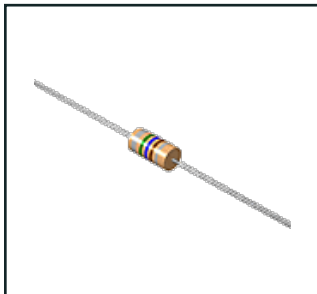
Description

Axial leaded molded inductor

Application Use

Used for various kinds of OSC and TRAP coils.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0 μ H ~ 18000 μ H	1.0kHz			0.009 ~ 40	0.09A ~ 6.27A	6.1D x 18.8L



CTS1F

Shielded Inductors – Axial

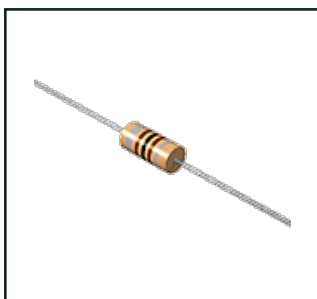
Description

Axial leaded molded (shielded) inductor

Application Use

Used for high reliability applications. Vital for telecommunication applications. Ideal for various RF applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.10 μ H ~ 1000 μ H	0.10 μ H ~ 1.0 μ H @ 25MHz; 1.2 μ H ~ 10 μ H @ 7.9MHz; 12 μ H ~ 100 μ H @ 2.5MHz; 120 μ H ~ 1000 μ H @ 0.79MHz	28 ~ 60	4MHz ~ 400MHz	0.071 ~ 39	67mA ~ 1580mA	2.8D x 6.6L



CTS2F

Shielded Inductors – Axial

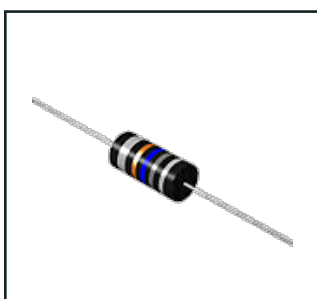
Description

Axial leaded molded (shielded) inductor

Application Use

Used for high reliability applications. Vital for telecommunication applications. Ideal for various RF applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.10 μ H ~ 10000 μ H	0.10 μ H ~ 1.0 μ H @ 25MHz; 1.2 μ H ~ 10 μ H @ 7.9MHz; 12 μ H ~ 100 μ H @ 2.5MHz; 120 μ H ~ 1000 μ H @ 0.79MHz; 1200 μ H ~ 10000 μ H @ 0.25MHz	35 ~ 57	1.5MHz ~ 500MHz	0.112 ~ 168	31.6mA ~ 1720mA	3.3D x 8.4L



CTS3F

Shielded Inductors – Axial

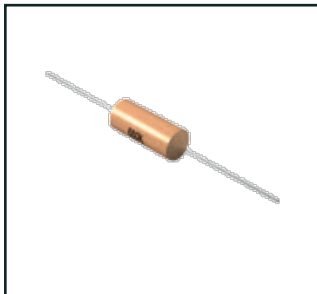
Description

Axial leaded molded (shielded) inductor

Application Use

Used for high reliability applications. Vital for telecommunication applications. Ideal for various RF applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.10 μ H ~ 100,000 μ H	0.10 μ H ~ 1.0 μ H @ 25MHz; 1.2 μ H ~ 10 μ H @ 7.9MHz; 12 μ H ~ 100 μ H @ 2.5MHz; 120 μ H ~ 1000 μ H @ 0.79MHz; 1200 μ H ~ 10000 μ H @ 0.25MHz; 12000 μ H ~ 100,000 μ H @ 0.079MHz	18 ~ 67	0.11MHz ~ 250MHz	0.02 ~ 678	11mA ~ 1790mA	4.06D x 10.4L



CTS4F

Shielded Inductors – Axial

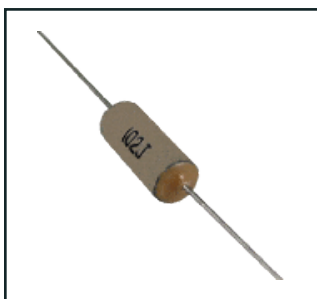
Description

Axial leaded molded (shielded) inductor

Application Use

Used for high reliability applications. Vital for telecommunication applications. Ideal for various RF applications. Higher DC current than CTS3F series.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.10 μ H ~ 150,000 μ H	0.10 μ H ~ 1.0 μ H @ 25MHz; 1.2 μ H ~ 10 μ H @ 7.9MHz; 12 μ H ~ 22 μ H @ 2.5MHz; 27 μ H ~ 100,000 μ H @ 1.0kHz; 150,000 μ H @ 25kHz	30 ~ 75	0.18MHz ~ 400MHz	0.02 ~ 560	15mA ~ 3000mA	4.06D x 11.4L



CTS4HTF

Shielded Inductors – Axial

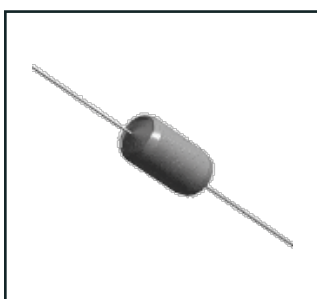
Description

Axial leaded molded (shielded) inductor. High temperature.

Application Use

Used for high reliability applications. Vital for telecommunication applications. Ideal for various RF applications. Higher DC current than CTS3F series.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
0.10 μ H ~ 150,000 μ H	0.10 μ H ~ 1.0 μ H @ 25MHz; 1.2 μ H ~ 10 μ H @ 7.9MHz; 12 μ H ~ 22 μ H @ 2.5MHz; 27 μ H ~ 100,000 μ H @ 1.0kHz; 150,000 μ H @ 25kHz	30 ~ 75	0.18MHz ~ 400MHz	0.02 ~ 560	15mA ~ 3000mA	4.06D x 11.4L



CTS5F

Shielded Inductors – Axial

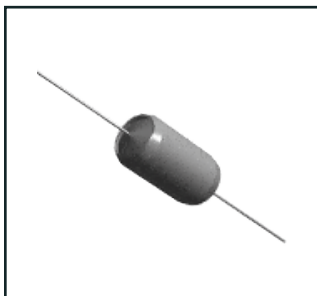
Description

Axial leaded molded (shielded) inductor.

Application Use

Used for high reliability applications. Vital for telecommunication applications. Ideal for various RF applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0 μ H ~ 100 μ H	1.0 μ H ~ 5.0 μ H @ 7.9MHz; 10 μ H ~ 100 μ H @ 2.5MHz	35 ~ 70	20MHz ~ 200MHz	0.05 ~ 3.1	280mA ~ 2200mA	3.81D x 11.4L



CTS6F

Shielded Inductors – Axial

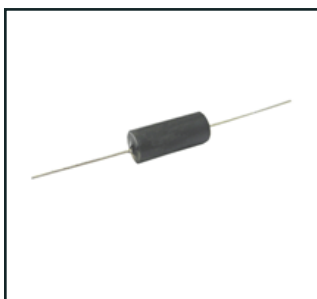
Description

Axial leaded molded (shielded) inductor.

Application Use

Used for high reliability applications. Vital for telecommunication applications. Ideal for various RF applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
250 μ H ~ 1000 μ H	1.0kHz			0.17 ~ 0.80	610mA ~ 1330mA	6.36D x 13.5L



CTS7F

Shielded Inductors – Axial

Description

Axial leaded molded (shielded) inductor.

Application Use

Compact audio filters, tone control circuits, amplifiers, low level power supplies, filters, switching circuits and telecommunications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0 μ H ~ 4,700,000 μ H	1.0kHz			0.011 ~ 1700	0.0054A ~ 0.707A	7.62D x 18.41L



CT5HTF

Variable/Tunable Coils

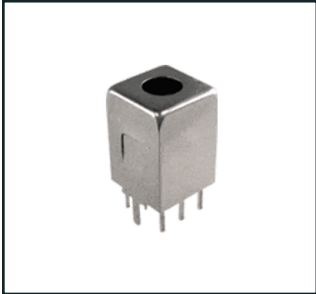
Description

Tunable band pass filter – triple tuned

Application Use

Digital Broadcast Satellite, CATV, Cellular Mobile Telecom, Wireless Satelite Network, etc

Inductance	Ind. Test Freq.	Qmin	SRF	Center Freq.	Bandwidth	Size (mm)
1.0mH ~ 56mH		70 ~ 80		360MHz ~ 1230MHz	14 ~ 20	16.75L x 5.55W x 8.6H



CTCLNSF

Variable/Tunable Coils

Description

Variable coil

Application Use

FM radios, television receivers, transceivers, wireless and communication applications, RF electronic applications, oscillator and audio filter applications.

Inductance	Ind. Test Freq.	Qmin	SRF	DCR (Ω)	Current	Size (mm)
1.0mH ~ 56.0 mH	1.0mH ~ 8.2mH @ 252KHz 10.0mH ~ 56.0mH @ 79.6KHz	80 ~ 70				10.5L x 10.5W x 15.5H

POWER MAGNETICS

THROUGH HOLE PRODUCT GUIDE

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CTHCIFW2721F

High Current Power Inductors

Description

High current power inductor

Application Use

Medical equipment, industrial control, new energy

Inductance	Ind. Test Freq.	Size (mm)
10 μ H ~ 27 μ H	100kHz	27.3L x 21.5W x 22.3H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
		25A		4.10m Max.		30A ~ 95A	



CTCHCFW2630F

High Current Power Inductors

Description

High current power inductor

Application Use

Medical equipment, industrial control, new energy

Inductance	Ind. Test Freq.	Size (mm)
13 μ H ~ 33 μ H	100kHz	30.0L x 26.4W x 22.5H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
		20A ~ 26A		2.1m ~ 4.8m		24A ~ 35A	



CTHCIFW3231F

High Current Power Inductors

Description

High current power inductor

Application Use

Medical equipment, industrial control, new energy

Inductance	Ind. Test Freq.	Size (mm)
18 μ H	100kHz	32.8L x 31.0W x 28.5H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
		45A		1.72m Max.		43A	



CTHCPI3231F

High Current Power Inductors

Description

High current power inductor

Application Use

Medical equipment, industrial control, new energy

Inductance	Ind. Test Freq.	Size (mm)
100μH	100kHz	32.8L x 31.0W x 29.5H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
		23A		12m Max.		23A	



CTVFW2724F

High Current Power Inductors

Description

High current power inductor

Application Use

Designed for high current power supply applications. Ideal for use in Class D applications.

Inductance	Ind. Test Freq.	Size (mm)
3.3μH ~ 33μH	100kHz	26.9L x 16.9W x 24.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				2.6m		9.2A ~ 104A	26A



CTQFW4228F

High Current Power Inductors

Description

High current shielded power inductor

Application Use

Designed for high current power supply applications

Inductance	Ind. Test Freq.	Size (mm)
6.8μH ~ 470μH	100kHz	42.0L x 35.8W x 28.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				2.95m ~ 11.5m		3.2A ~ 75A	17.5A ~ 34A



CT181LYF

Shielded Radial Leaded Inductors

Description

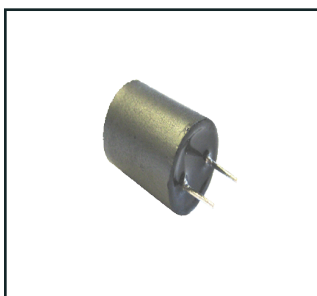
Radial leaded shielded fixed inductor

Application Use

Ideal as a choke coil for noise filtering. Suitable for use in audio processing circuit for low, high and bandpass filtering.

Inductance	Ind. Test Freq.	Size (mm)
1.0mH ~ 120mH	1.0kHz	10.8D x 14.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	8mA ~ 90mA			3.4 ~ 97			



CT7503CYF

Shielded Radial Leaded Inductors

Description

Radial leaded shielded fixed inductor

Application Use

Ideal for use as choke coil for high current DC circuits in all types of electronic instruments.

Inductance	Ind. Test Freq.	Size (mm)
4.3μH ~ 1000μH	1.0kHz	11.0D x 13.5H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	0.33A ~ 4.6A			0.021 ~ 1.6			



CTSCH108DF

Shielded Radial Leaded Inductors

Description

Radial leaded shielded fixed inductor

Application Use

Ideal for use as a power choke in switching power supply, TV sets, video appliances and industrial equipment as well as use as a peaking coil in filtering applications.

Inductance	Ind. Test Freq.	Size (mm)
10μH ~ 1000μH	10μH ~ 82μH @ 2.52MHz; 100μH ~ 1000μH @ 1.0kHz	10.0D x 8.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	0.28A ~ 2.8A			0.05 ~ 2.3			



CTSCH110DF

Shielded Radial Leaded Inductors

Description

Radial leaded shielded fixed inductor

Application Use

Ideal for use as a power choke in switching power supply, TV sets, video appliances and industrial equipment as well as use as a peaking coil in filtering applications.

Inductance	Ind. Test Freq.	Size (mm)
10 μ H ~ 1000 μ H	10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 1000 μ H @ 1.0kHz	10.0D x 10.5H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	0.35A ~ 3.51A			0.023 ~ 1.5			



CTSCH875DF

Shielded Radial Leaded Inductors

Description

Radial leaded shielded fixed inductor

Application Use

Ideal for use as a power choke in switching power supply, TV sets, video appliances and industrial equipment as well as use as a peaking coil in filtering applications.

Inductance	Ind. Test Freq.	Size (mm)
4.7 μ H ~ 10000 μ H	4.7 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 10000 μ H @ 1.0kHz	7.8D x 7.8H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	0.074A ~ 2.94A			0.035 ~ 35			



CTSL1112F

Shielded Radial Leaded Inductors

Description

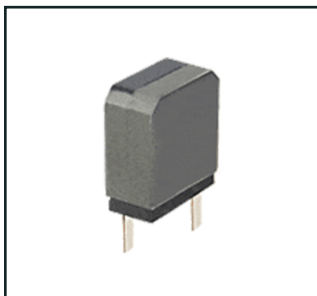
Radial leaded shielded fixed inductor

Application Use

Televisions, DVD players, personal computers and other electronic equipment.

Inductance	Ind. Test Freq.	Size (mm)
1.0 μ H ~ 15000 μ H	1.0kHz	11.2D x 12.2H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	0.13A ~ 14A			0.058 ~ 24			



CTDA13AF

Power Inductors for Digital Amplifiers

Description

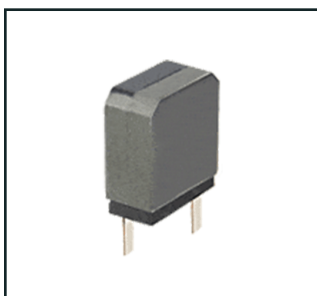
Inductors for digital amplifier LPF

Application Use

Suitable as choke for digital amplifier. Audio DVD 5.1ch home theater, AV amplifier, LCD, PDP. Usable as a choke coil for power supplies.

Inductance	Ind. Test Freq.	Size (mm)
10 μ H ~ 33 μ H	1.0kHz	13.0L x 6.4~8.4W x 15.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	3.4A ~ 6.0A			5.4m ~ 14.7m			



CTDA14AF

Power Inductors for Digital Amplifiers

Description

Inductors for digital amplifier LPF

Application Use

Suitable as choke for digital amplifier. Audio DVD 5.1ch home theater, AV amplifier, LCD, PDP. Usable as a choke coil for power supplies.

Inductance	Ind. Test Freq.	Size (mm)
10 μ H ~ 33 μ H	1.0kHz	14.0L x 7.6~9.6W x 16.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	6.1A ~ 8.3A			5.9m ~ 17.5m			



CTDAT1326F

Power Inductors for Digital Amplifiers

Description

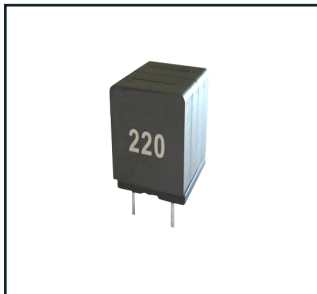
Inductors for Class D

Application Use

TV and monitor, AV amplifier, video game console, power supply, navigation equipment, audio applications.

Inductance	Ind. Test Freq.	Size (mm)
5.6 μ H ~ 22 μ H	1.0kHz	26.0L x 13.0W x 15.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				5.3m ~ 10m		4.2A ~ 13A	9.5A ~ 12A



CTDAT1415F

Power Inductors for Digital Amplifiers

Description

Inductors for Class D

Application Use

TV and monitor, AV amplifier, video game console, power supply, navigation equipment, audio applications.

Inductance		Ind. Test Freq.	Size (mm)
6.0μH ~ 22μH		1.0kHz	15.5L x 14.0W x 16.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				8.2m ~ 17.5m		8.3A ~ 17A	6.8A ~ 11A



CTDAT1623F

Power Inductors for Digital Amplifiers

Description

Inductors for Class D

Application Use

TV and monitor, AV amplifier, video game console, power supply, navigation equipment, audio applications.

Inductance		Ind. Test Freq.	Size (mm)
10μH ~ 20μH		100kHz	15.0L x 16.5W x 23.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				12m ~ 31m		10A ~ 15A	3.8A ~ 6.4A



CTDAT1715F

Power Inductors for Digital Amplifiers

Description

Inductors for Class D

Application Use

TV and monitor, AV amplifier, video game console, power supply, navigation equipment, audio applications.

Inductance		Ind. Test Freq.	Size (mm)
10μH ~ 56μH		1.0kHz	15.0L x 17.5W x 19.3H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				14m		6.0A ~ 26A	8.2A



CTDATF1715F

Power Inductors for Digital Amplifiers

Description

Inductors for Class D

Application Use

TV and monitor, AV amplifier, video game console, power supply, navigation equipment, audio applications.

Inductance		Ind. Test Freq.	Size (mm)
7 μ H ~ 33 μ H		1.0kHz	15.0L x 17.5W x 19.3H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				7.20m ~ 8.80m		9.4A ~ 33.7A	17.0A ~ 19.0A



CTDAT2315F

Power Inductors for Digital Amplifiers

Description

Inductors for Class D

Application Use

TV and monitor, AV amplifier, video game console, power supply, navigation equipment, audio applications.

Inductance		Ind. Test Freq.	Size (mm)
10 μ H ~ 22 μ H		100kHz	14.5L x 23.0W x 23.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				7.9m ~ 8.6m		20.5A ~ 38A	13A ~ 14A



CTDAT3119F

Power Inductors for Digital Amplifiers

Description

Inductors for Class D

Application Use

TV and monitor, AV amplifier, video game console, power supply, navigation equipment, audio applications.

Inductance		Ind. Test Freq.	Size (mm)
5.6 μ H ~ 33 μ H		100kHz	19.0L x 31.0W x 35.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				3.0m ~ 6.9m		22A ~ 60A	15.5A ~ 28A



CT187LYF

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Ideal as a choke coil for noise filtering.

Inductance		Ind. Test Freq.	Size (mm)
100μH ~ 33000μH	100μH ~ 820μH @ 796kHz; 1000μH ~ 8200μH @ 252kHz; 10000μH ~ 33000μH @ 79.6kHz		8.3D x 11.2H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	30mA ~ 200mA			2.0 ~ 80			



CT262LYF

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Ideal as a choke coil and a trap coil for low profile equipment.

Inductance		Ind. Test Freq.	Size (mm)
0.10mH ~ 15mH	0.10mH ~ 0.82mH @ 796kHz; 1.0mH ~ 8.2mH @ 252kHz; 10mH ~ 15mH @ 79.6kHz		8.0D x 6.2H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	20mA ~ 200mA			2.0 ~ 80			



CT494LYF

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Ideal as a choke for noise filtering applications.

Inductance		Ind. Test Freq.	Size (mm)
1.0μH ~ 470μH	1.0μH ~ 6.8μH @ 7.96MHz; 10μH ~ 82μH @ 2.52MHz; 100μH ~ 470μH @ 0.796MHz		10.0D x 10.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.021 ~ 0.836	0.36A ~ 6.0A		



CT494HYF

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Ideal as a choke for noise filtering applications.

Inductance	Ind. Test Freq.	Size (mm)
100 μ H ~ 1000 μ H	0.796MHz	10.0D x 13.5H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.213 ~ 1.176	0.35A ~ 1.0A		



CT622LYF

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Ideal as a choke coil for noise filtering and DC/DC converter applications.

Inductance	Ind. Test Freq.	Size (mm)
1.0 μ H ~ 4700 μ H	1.0 μ H ~ 4.7 μ H @ 7.96MHz; 10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 820 μ H @ 0.796MHz; 1000 μ H ~ 4700 μ H @ 0.252MHz	8.5D x 11.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	0.05A ~ 10A			0.01 ~ 16			



CTCH106F

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Ideal for use as a power choke coil in switching power supply, TV sets, video appliances and industrial equipment as well as use as a peaking coil in filtering applications.

Inductance	Ind. Test Freq.	Size (mm)
10 μ H ~ 1000 μ H	10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 1000 μ H @ 1.0kHz	10.0D x 6.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	0.36A ~ 3.6A			0.040 ~ 3.2			



CTCH108F

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Ideal for use as a power choke coil in switching power supply, TV sets, video appliances and industrial equipment as well as use as a peaking coil in filtering applications.

Inductance	Ind. Test Freq.	Size (mm)
10 μ H ~ 1000 μ H	10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 1000 μ H @ 1.0kHz	10.0D x 8.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	0.45A ~ 4.5A			0.027 ~ 2.1			



CTCH110F

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Ideal for use as a power choke coil in switching power supply, TV sets, video appliances and industrial equipment as well as use as a peaking coil in filtering applications.

Inductance	Ind. Test Freq.	Size (mm)
10 μ H ~ 1000 μ H	10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 1000 μ H @ 1.0kHz	10.0D x 10.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	0.53A ~ 5.3A			0.022 ~ 1.7			



CTCH114F

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Ideal for use as a power choke coil in switching power supply, TV sets, video appliances and industrial equipment as well as use as a peaking coil in filtering applications.

Inductance	Ind. Test Freq.	Size (mm)
6.3 μ H ~ 39000 μ H	6.3 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 39000 μ H @ 1.0kHz	10.0D x 14.4H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	0.09A ~ 4.3A			0.026 ~ 58			



CTCH654F

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Ideal for use as a power choke coil in switching power supply, TV sets, video appliances and industrial equipment as well as use as a peaking coil in filtering applications.

Inductance	Ind. Test Freq.	Size (mm)
22 μ H ~ 1000 μ H	22 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 1000 μ H @ 1.0kHz	6.0D x 5.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	0.13A ~ 0.90A			0.18 ~ 7.06			



CTCH664F

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Ideal for use as a power choke coil in switching power supply, TV sets, video appliances and industrial equipment as well as use as a peaking coil in filtering applications.

Inductance	Ind. Test Freq.	Size (mm)
1.0 μ H ~ 1000 μ H	1.0 μ H ~ 10 μ H @ 7.96MHz; 11 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 1000 μ H @ 1.0kHz	6.0D x 6.5H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	0.19A ~ 4.0A			0.0183 ~ 4.45			



CTCH855F

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Ideal for use as a power choke coil in switching power supply, TV sets, video appliances and industrial equipment as well as use as a peaking coil in filtering applications.

Inductance	Ind. Test Freq.	Size (mm)
10 μ H ~ 10000 μ H	10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 10000 μ H @ 1.0kHz	7.8D x 5.5H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	0.081A ~ 2.5A			0.07 ~ 55.7			



CTCH875F

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Ideal for use as a power choke coil in switching power supply, TV sets, video appliances and industrial equipment as well as use as a peaking coil in filtering applications.

Inductance	Ind. Test Freq.	Size (mm)
10 μ H ~ 10000 μ H	10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 10000 μ H @ 1.0kHz	7.8D x 7.5H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	0.084A ~ 2.9A			0.05 ~ 33			



CTCH895F

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Ideal for use as a power choke coil in switching power supply, TV sets, video appliances and industrial equipment as well as use as a peaking coil in filtering applications.

Inductance	Ind. Test Freq.	Size (mm)
10 μ H ~ 47000 μ H	10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 47000 μ H @ 1.0kHz	7.8D x 9.5H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
	0.038A ~ 2.6A			0.04 ~ 96.4			



CTRFB0810F

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Ideal as a choke for noise filtering.

Inductance	Ind. Test Freq.	Size (mm)
10 μ H ~ 18000 μ H	100kHz	9.5D x 11.5H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.03 ~ 36		0.10A ~ 4.2A	0.12A ~ 5.3A



CTRFB1010F

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Ideal as a choke for noise filtering.

Inductance	Ind. Test Freq.	Size (mm)
12 μ H ~ 18000 μ H	100kHz	11.0D x 11.5H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.025 ~ 33		0.14A ~ 5.6A	0.13A ~ 5.7A



CTRL5480F-1

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Power supplies, switching regulators, SCR and TRIAC controls, RFI suppression, filters.

Inductance	Ind. Test Freq.	Size (mm)
3.9 μ H ~ 22000 μ H	1.0kHz	5.7D x 7.3H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
			0.015A ~ 0.800A	0.030 ~ 135		0.018A ~ 1.5A	



CTRL5480F-2

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Power supplies, switching regulators, SCR and TRIAC controls, RFI suppression, filters.

Inductance	Ind. Test Freq.	Size (mm)
3.9 μ H ~ 33000 μ H	1.0kHz	6.9D x 9.3H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
			0.030A ~ 1.3A	0.020 ~ 100		0.029A ~ 2.7A	



CTRL5480F-3

Unshielded Radial Leaded Inductors

Description

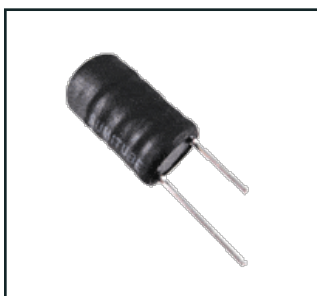
Radial leaded fixed inductor

Application Use

Power supplies, switching regulators, SCR and TRIAC controls, RFI suppression, filters.

Inductance		Ind. Test Freq.	Size (mm)
3.9 μ H ~ 68000 μ H		1.0kHz	9.5D x 11.4H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
			0.036A ~ 1.6A	0.022 ~ 115		0.040A ~ 6.8A	



CTRL5480F-4

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Power supplies, switching regulators, SCR and TRIAC controls, RFI suppression, filters.

Inductance		Ind. Test Freq.	Size (mm)
3.9 μ H ~ 100,000 μ H		1.0kHz	11.4D x 18.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
			0.046A ~ 2.6A	0.016 ~ 130		0.068A ~ 14.2A	



CTRL5480F-5

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Power supplies, switching regulators, SCR and TRIAC controls, RFI suppression, filters.

Inductance		Ind. Test Freq.	Size (mm)
3.9 μ H ~ 270,000 μ H		1.0kHz	15.9D x 17.8H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
			0.060A ~ 4.0A	0.009 ~ 174		0.039A ~ 9.7A	



CTRLB0608F

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Power supplies, DC/DC converters, filters, RFI suppression.

Inductance		Ind. Test Freq.			Size (mm)		
1.0 μ H ~ 2200 μ H		1.0 μ H ~ 8.2 μ H @ 7.96MHz; 10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 820 μ H @ 0.796MHz; 1000 μ H ~ 2200 μ H @ 0.252MHz			5.0D x 6.5H		
Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.10 ~ 20	85mA ~ 1030mA		



CTRLB0712F

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Power supplies, DC/DC converters, filters, RFI suppression.

Inductance		Ind. Test Freq.			Size (mm)		
10 μ H ~ 560 μ H		1kHz			6.7D x 10H		
Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.07 ~ 1.8	150mA ~ 1100mA		



CTRLB0812F

Unshielded Radial Leaded Inductors

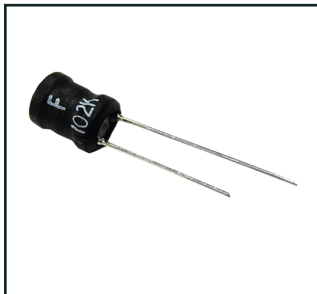
Description

Radial leaded fixed inductor

Application Use

Power supplies, DC/DC converters, filters, RFI suppression.

Inductance		Ind. Test Freq.			Size (mm)		
47 μ H ~ 47,000 μ H		47 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 820 μ H @ 0.796MHz; 1000 μ H ~ 8200 μ H @ 0.252MHz; 10,000 μ H ~ 47,000 μ H @ 0.0796MHz			6.7D x 10H		
Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.40 ~ 162	16mA ~ 450mA		



CTRLB0914F

Unshielded Radial Leaded Inductors

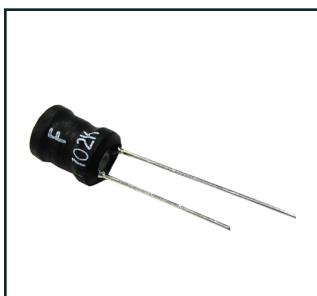
Description

Radial leaded fixed inductor

Application Use

Power supplies, DC/DC converters, filters, RFI suppression.

Inductance		Ind. Test Freq.		Size (mm)			
3.3 μ H ~ 1000 μ H		3.3 μ H ~ 6.8 μ H @ 7.96MHz; 10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 820 μ H @ 0.796MHz; 1000 μ H @ 0.252MHz		8.7D x 12H			
Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.027 ~ 2.1	0.3A ~ 3.6A		



CTRLB1014F

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Power supplies, DC/DC converters, filters, RFI suppression.

Inductance		Ind. Test Freq.		Size (mm)			
100 μ H ~ 82,000 μ H		100 μ H ~ 820 μ H @ 796kHz; 1000 μ H ~ 8200 μ H @ 252kHz; 10,000 μ H ~ 82,000 μ H @ 79.6kHz		8.7D x 12H			
Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.085 ~ 240	14mA ~ 350mA		



CTRLB9012F

Unshielded Radial Leaded Inductors

Description

Radial leaded fixed inductor

Application Use

Power supplies, DC/DC converters, filters, RFI suppression.

Inductance		Ind. Test Freq.		Size (mm)			
1.0 μ H ~ 47000 μ H		1.0 μ H ~ 82 μ H @ 7.96MHz; 100 μ H ~ 820 μ H @ 0.796MHz; 1000 μ H ~ 8200 μ H @ 0.252MHz; 10,000 μ H ~ 47,000 μ H @ 0.0796MHz		9.0D x 12.2H			
Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.013 ~ 137.8	0.08mA ~ 10mA		



CTDR1F

Unshielded Radial Leaded Inductors

Description

Radial leaded drum core inductor

Application Use

Used in switching regulators, power amplifiers, power supplies, DCR and Triac controls, speaker crossover networks, RFI suppression and filters.

Inductance		Ind. Test Freq.	Size (mm)
1.0 μ H ~ 560 μ H		1.0kHz	17.0D x 22.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.003 ~ 0.696	0.8A ~ 9.0A		



CTDR2F

Unshielded Radial Leaded Inductors

Description

Radial leaded drum core inductor

Application Use

Used in switching regulators, power amplifiers, power supplies, DCR and Triac controls, speaker crossover networks, RFI suppression and filters.

Inductance		Ind. Test Freq.	Size (mm)
1.0 μ H ~ 2200 μ H		1.0kHz	22.0D x 22.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.003 ~ 1.54	0.8A ~ 11.4A		



CTDR3F

Unshielded Radial Leaded Inductors

Description

Radial leaded drum core inductor

Application Use

Used in switching regulators, power amplifiers, power supplies, DCR and Triac controls, speaker crossover networks, RFI suppression and filters.

Inductance		Ind. Test Freq.	Size (mm)
1.0 μ H ~ 4700 μ H		1.0kHz	28.0D x 22.0H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.003 ~ 1.86	1.0A ~ 21.0A		



CTDR4F

Unshielded Radial Leaded Inductors

Description

Radial leaded drum core inductor

Application Use

Used in switching regulators, power amplifiers, power supplies, DCR and Triac controls, speaker crossover networks, RFI suppression and filters.

Inductance	Ind. Test Freq.	Size (mm)
1.8μH ~ 15000μH	1.0kHz	38.1D x 26.2H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.002 ~ 3.39		1.3A ~ 27.0A	



CTDR5F

Unshielded Radial Leaded Inductors

Description

Radial leaded drum core inductor

Application Use

Used in switching regulators, power amplifiers, power supplies, DCR and Triac controls, speaker crossover networks, RFI suppression and filters.

Inductance	Ind. Test Freq.	Size (mm)
1.8μH ~ 15000μH	1.0kHz	38.1D x 36.8H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
			2.0A ~ 35A	0.002 ~ 2.17		1.5A ~ 155A	



CTDR6F

Unshielded Radial Leaded Inductors

Description

Radial leaded drum core inductor

Application Use

Used in switching regulators, power amplifiers, power supplies, DCR and Triac controls, speaker crossover networks, RFI suppression and filters.

Inductance	Ind. Test Freq.	Size (mm)
4.7μH ~ 47000μH	1.0kHz	50.8D x 38.1H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
			1.4A ~ 35A	0.002 ~ 6.19		1.2A ~ 149.9A	



CTH7RF

Unshielded Radial Leaded Inductors

Description

Radial leaded power line inductor

Application Use

Used in switching regulators, power amplifiers, power supplies, DCR and Triac controls, speaker crossover networks, RFI suppression and filters.

Inductance		Ind. Test Freq.	Size (mm)
3.9μH ~ 22000μH		1.0kHz	7.62D x 15.3H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
0.04A ~ 1.3A				0.02 ~ 49		0.085A ~ 7.3A	



CTH8RF

Unshielded Radial Leaded Inductors

Description

Radial leaded power line inductor

Application Use

Used in switching regulators, power amplifiers, power supplies, DCR and Triac controls, speaker crossover networks, RFI suppression and filters.

Inductance		Ind. Test Freq.	Size (mm)
3.9μH ~ 100,000μH		1.0kHz	11.9D x 23.3H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
0.07A ~ 4.0A				0.01 ~ 72		0.10A ~ 15A	



CTVF-0

Unshielded Radial Leaded Inductors

Description

Radial leaded power inductor

Application Use

Used in switching regulators, power amplifiers, power supplies, DCR and Triac controls, speaker crossover networks, RFI suppression and filters.

Inductance		Ind. Test Freq.	Size (mm)
1.0μH ~ 390μH		15.75kHz	10.2~28.0D x 16.5~45.7H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
			2.1A ~ 21.8A	0.002 ~ 0.25			



CTVF-1

Unshielded Radial Leaded Inductors

Description

Radial led power inductor

Application Use

Used in switching regulators, power amplifiers, power supplies, DCR and Triac controls, speaker crossover networks, RFI suppression and filters.

Inductance	Ind. Test Freq.	Size (mm)
1.5 μ H ~ 390 μ H	15.75kHz	15.7~27.9D x 21.6~35.6H

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
			2.8A ~ 19.3A	0.003 ~ 0.19			



CTHR3/5/10/15

Unshielded Radial Leaded Inductors

Description

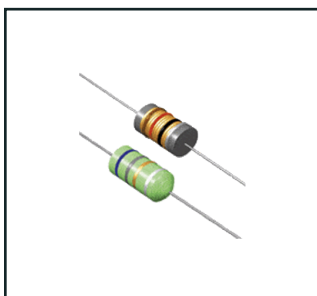
High current filter inductor

Application Use

Noise filtering for switching regulators, power amplifiers, power supplies and SCR and Triac control circuits.

Inductance	Ind. Test Freq.	Size (mm)
5.0 μ H ~ 250 μ H		See spec sheet for Size (mm) details.

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
			5A ~ 24A	0.008 ~ 0.09			



CTH6F

Unshielded Axial Leaded Inductors

Description

Miniature axial led power line inductor

Application Use

Step up or step down switching regulators, continuous voltage supplies, high voltage, line filtering, surge suppression, SCR and Triac controls.

Inductance	Ind. Test Freq.	Size (mm)
1.0 μ H ~ 10000 μ H	1.0 μ H ~ 8.2 μ H @ 7.9MHz; 10 μ H ~ 10000 μ H @ 1.0kHz	Size (mm) CTH6EF:4.06D x 12.7L Size (mm) CTH6VF:3.5D x 10.0L

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
			52mA ~ 3300mA	0.02 ~ 75			



CTH7F

Unshielded Axial Leaded Inductors

Description

Axial leaded power line inductor

Application Use

Used in switching regulators, power amplifiers, power supplies, SCR and Triac controls, speaker crossover networks, RFI suppression and filters.

Inductance		Ind. Test Freq.	Size (mm)
3.9μH ~ 18000μH		1.0kHz	7.37D x 15.3L

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
0.4A ~ 1.3A				0.02 ~ 48		0.09A ~ 7.3A	



CTH7VF

Unshielded Axial Leaded Inductors

Description

Axial leaded power line inductor (varnish coated)

Application Use

Used in switching regulators, power amplifiers, power supplies, SCR and Triac controls, speaker crossover networks, RFI suppression and filters.

Inductance		Ind. Test Freq.	Size (mm)
3.9μH ~ 18000μH		1.0kHz	6.85D x 15.3L

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
0.4A ~ 1.3A				0.02 ~ 48		0.09A ~ 7.3A	



CTH8F

Unshielded Axial Leaded Inductors

Description

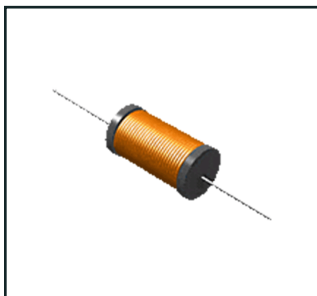
Axial leaded power line inductor

Application Use

Used in switching regulators, power amplifiers, power supplies, SCR and Triac controls, speaker crossover networks, RFI suppression and filters.

Inductance		Ind. Test Freq.	Size (mm)
3.9μH ~ 100,000μH		1.0kHz	11.9D x 23.4L

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
0.067A ~ 4.0A				0.007 ~ 71.7		0.089A ~ 15.5A	



CTH8VF

Unshielded Axial Leaded Inductors

Description

Axial leaded power line inductor (varnish coated)

Application Use

Used in switching regulators, power amplifiers, power supplies, SCR and Triac controls, speaker crossover networks, RFI suppression and filters.

Inductance	Ind. Test Freq.	Size (mm)
3.9μH ~ 100,000μH	1.0kHz	11.4D x 22.8L

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
0.07A ~ 4.0A				0.01 ~ 72		0.10A ~ 15A	



CTH8HCF

Unshielded Axial Leaded Inductors

Description

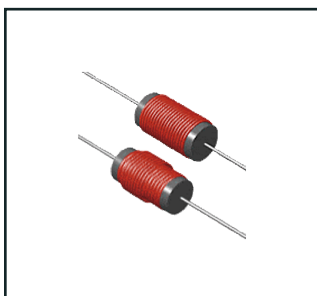
Axial leaded power line inductor

Application Use

Used in switching regulators, power amplifiers, power supplies, SCR and Triac controls, speaker crossover networks and filters.

Inductance	Ind. Test Freq.	Size (mm)
3.9μH ~ 150,000μH	1.0kHz	13.97D x 25.4L

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.007 ~ 84.3		0.06A ~ 47A	0.07A ~ 6.0A



CTH9F

Unshielded Axial Leaded Inductors

Description

Axial leaded power line inductor

Application Use

Used in switching regulators, SCR and Triac controls, RFI suppression and filters, high current applications.

Inductance	Ind. Test Freq.	Size (mm)
3.35μH ~ 1000μH	1.0kHz	7.87~15.24D x 31.75L

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
			1.0A ~ 20A	0.01 ~ 0.55			



CTCVCF

Unshielded Axial Leaded Inductors

Description

Axial leaded clear varnish coated inductor

Application Use

Communications, electronic household appliances, entertainment electronics and lighting devices.

Inductance	Ind. Test Freq.	Size (mm)
10 μ H ~ 100,000 μ H	10 μ H @ 1000kHz; 12 μ H ~ 4700 μ H @ 100kHz; 5600 μ H ~ 100,000 μ H @ 10kHz	6.0D x 16.0L

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.09 ~ 490		45mA ~ 4600mA	34mA ~ 2900mA



CTAHCF

Unshielded Axial Leaded Inductors

Description

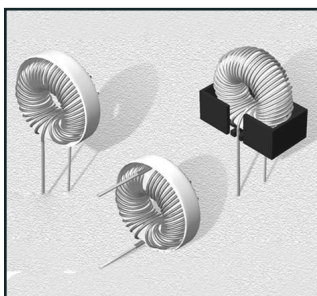
Axial leaded high current filter inductor

Application Use

Noise filtering for switching regulators, power amplifiers, power supplies, SCR and triac control circuits

Inductance	Ind. Test Freq.	Size (mm)
5 μ H ~ 1000 μ H		See spec sheet for Size (mm) details.

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
			1.4A ~ 9.3A	0.03 ~ 0.5			



CT30F – CT141F

High Current Toroid Coils

Description

Vertical and Horizontal toroid inductors

Application Use

EMI/RFI filter and heavy-duty applications.

Inductance	Operating Temp	Rated DC	Size (mm)
5.0 μ H ~ 8200 μ H	-40 °C - +85 °C	2.5A - 10.0A	10.5 ~ 44.0 OD



CT8645F

High Current Toroid Coils

Description

Vertical and Horizontal toroid inductors

Application Use

DC/DC converters, EMI filter applications

Inductance	Ind. Test Freq.	Size (mm)
10 μ H ~ 1000 μ H		21.8 OD x 11.4 W

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.006 ~ 0.40	1.3A ~ 10.8A		



CT8645LLF

High Current Toroid Coils

Description

Vertical and Horizontal toroid inductors

Application Use

Switch mode power supplies, DC/DC converters, output chokes, EMI filters

Inductance	Ind. Test Freq.	Size (mm)
1.0 μ H ~ 1000 μ H		21.8 OD x 11.4 W

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.002 ~ 0.284	1.5A ~ 21.4A		



CT9555F

High Current Toroid Coils

Description

Vertical and Horizontal toroid inductors

Application Use

DC/DC converters, EMI filter applications

Inductance	Ind. Test Freq.	Size (mm)
10 μ H ~ 1000 μ H		24.1 OD x 14.0 W

Rated AC	Rated DC	Temp Current	Rated Current	DCR (Ω)	IDC	Isat	Irms
				0.007 ~ 0.28	1.9A ~ 12.5A		

