

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)
100 μ H	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)
3.3 μ H ~ 33 μ H	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

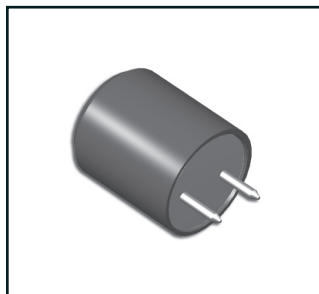
High current shielded power inductor

Application Use

Designed for high current power supply applications

Inductance	Ind. Test Freq.	Size (mm)
6.8 μ H ~ 470 μ H	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)
4.3 μ H ~ 1000 μ H	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)
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
	0.28A ~ 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)
100 μ H ~ 33000 μ H	100 μ H ~ 820 μ H @ 796kHz; 1000 μ H ~ 8200 μ H @ 252kHz; 10000 μ H ~ 33000 μ H @ 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)
1.0 μ H ~ 470 μ H	1.0 μ H ~ 6.8 μ H @ 7.96MHz; 10 μ H ~ 82 μ H @ 2.52MHz; 100 μ H ~ 470 μ H @ 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

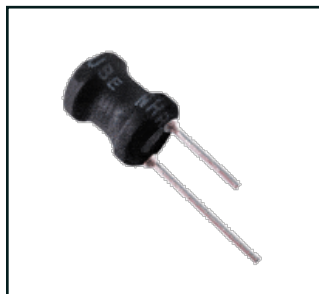
Radial leaded fixed inductor

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

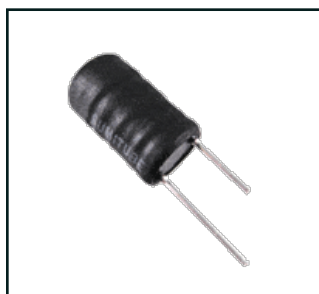
Radial leaded fixed inductor

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

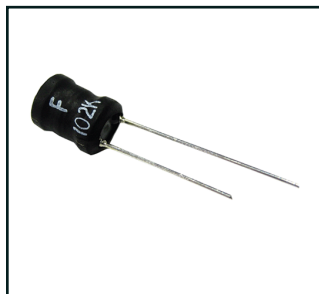
Description

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

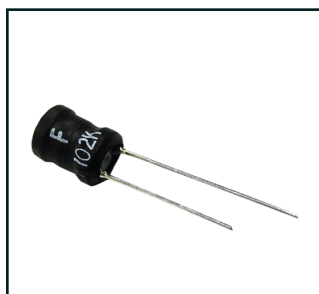
Description

Radial leaded fixed inductor

Application Use

Power supplies, DC/DC converters, filters, RFI suppression.

Inductance		Ind. Test Freq.			Size (mm)		
3.3μH ~ 1000μH		3.3μH ~ 6.8μH @ 7.96MHz; 10μH ~ 82μH @ 2.52MHz; 100μH ~ 820μH @ 0.796MHz; 1000μH @ 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)		
100μH ~ 82,000μH		100μH ~ 820μH @ 796kHz; 1000μH ~ 8200μH @ 252kHz; 10,000μH ~ 82,000μH @ 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)		
1.0μH ~ 47000μH		1.0μH ~ 82μH @ 7.96MHz; 100μH ~ 820μH @ 0.796MHz; 1000μH ~ 8200μH @ 0.252MHz; 10,000μH ~ 47,000μH @ 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)
1.8 μ H ~ 15000 μ H	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)
1.8 μ H ~ 15000 μ H	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)
4.7 μ H ~ 47000 μ H	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)
3.9 μ H ~ 22000 μ H	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)
3.9 μ H ~ 100,000 μ H	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)
1.0 μ H ~ 390 μ H	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 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)
1.5μH ~ 390μH	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

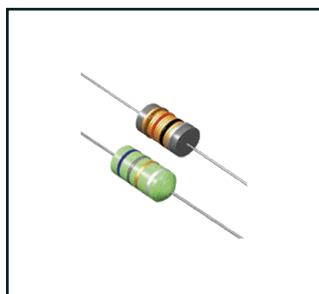
High current filter inductor

Application Use

Noise filtering for switching regulators, power amplifiers, power supplies and SCR and Triac control circuits.

Inductance	Ind. Test Freq.	Size (mm)
5.0μH ~ 250μH		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 leaded 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)
1.0μH ~ 10000μH	1.0μH ~ 8.2μH @ 7.9MHz; 10μH ~ 10000μH @ 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)
3.9 μ H ~ 18000 μ H	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

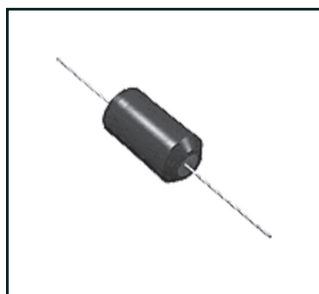
Axial leaded power line inductor (varnish coated)

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)
3.9 μ H ~ 18000 μ H	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

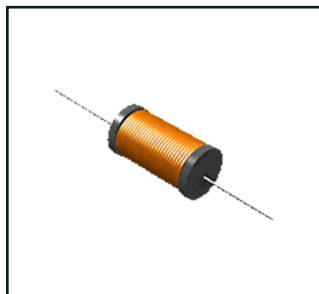
Axial leaded power line inductor

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)
3.9 μ H ~ 100,000 μ H	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)
3.9 μ H ~ 100,000 μ H	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

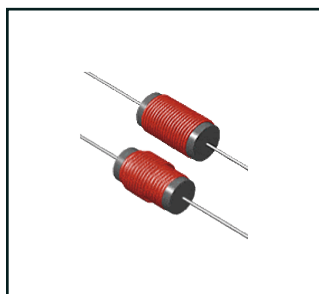
Axial leaded power line inductor

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)
3.9 μ H ~ 150,000 μ H	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)
3.35 μ H ~ 1000 μ H	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

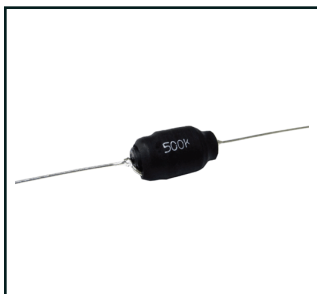
Axial leaded clear varnish coated inductor

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

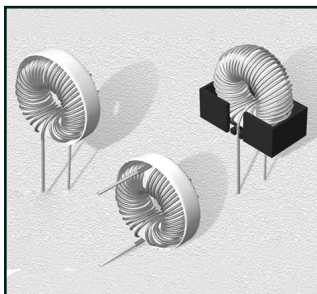
Axial leaded high current filter inductor

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		

