

RF MAGNETICS

THROUGH HOLE PRODUCT GUIDE

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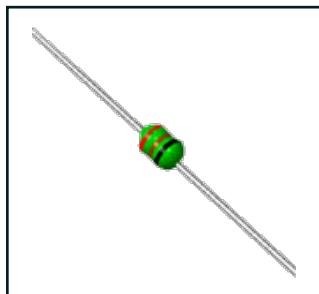
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CTC0F

Conformal Coated Inductors - Axial

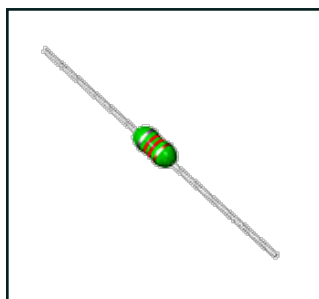
Description

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

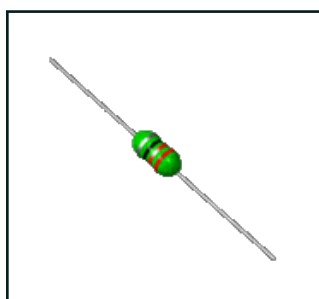
Description

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

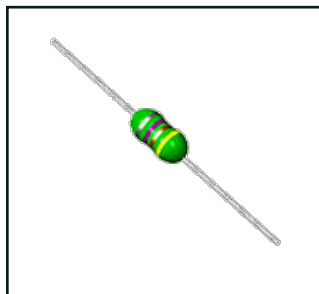
Description

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

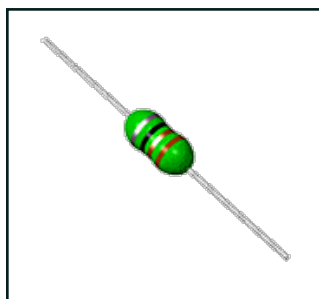
Description

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

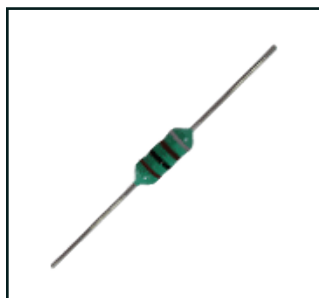
Description

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

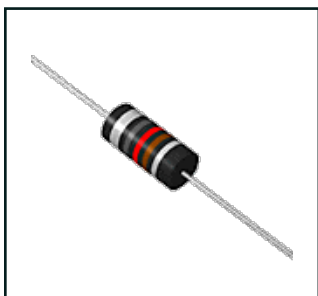
Description

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

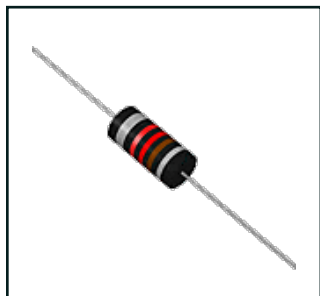
Description

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

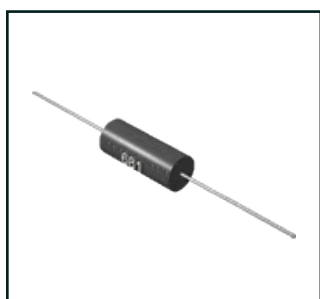
Description

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

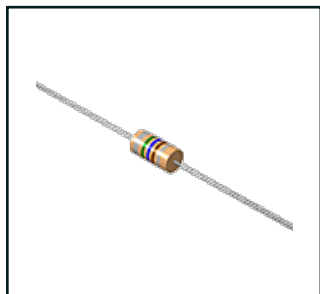
Description

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

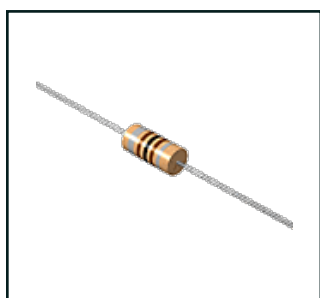
Description

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

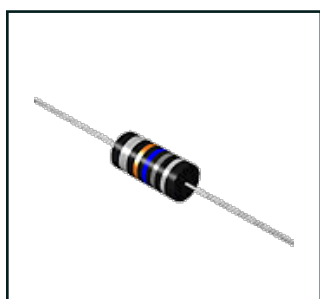
Description

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

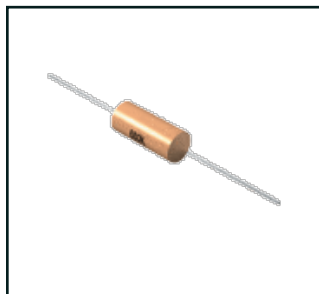
Description

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

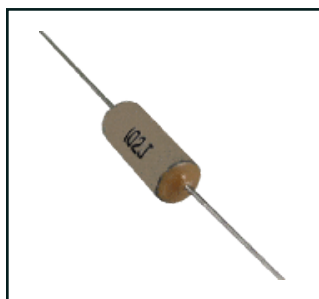
Description

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

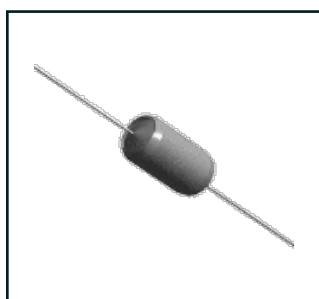
Description

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

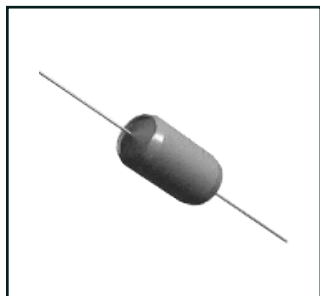
Description

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

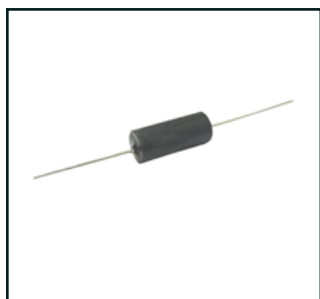
Description

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

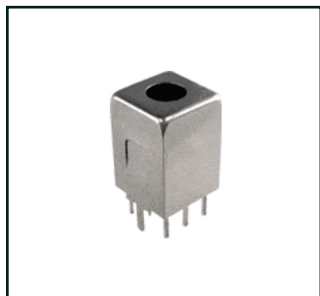
Description

Tunable band pass filter – triple tuned

Application Use

Digital Broadcast Satellite, CATV, Cellular Mobile Telecom, Wireless Satellite 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

