

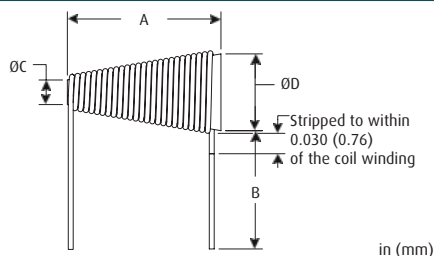
BROADBAND CONICAL DATA SUMMARY

Series Conical Product Line

Outgassing Tested per ASTM E595 (*)



Flying Lead Conical Inductors



SERIES	A DIM REF	B DIM REF	C DIM REF	D DIM REF
C050FL	0.050 (1.27)	0.125 (3.17)	0.008 (0.20)	0.025 (0.635)
C100FL	0.100 (2.54)	0.150 (3.81)	0.004 (0.10)	0.040 (1.00)
C225FL	0.225 (5.72)	0.300 (7.62)	0.004 (0.10)	0.070 (1.78)

PART NUMBER	L μ H @ 10 MHz	DCR Ω MAX	CURRENT RATING mA DC	TURNS	WIRE SIZE AWG
C050FL					
C050FL2144G6	0.28	0.45	280	21	44
C050FL2947G6	0.47	0.87	275	29	47
C100FL					
C100FL1938G6	0.26	0.10	573	19	38
C100FL2540G6	0.37	0.21	396	25	40
C100FL3142G6	0.58	0.47	264	31	42
C100FL3944G6	1.00	0.74	211	39	44
C100FL4947G6	1.54	1.70	140	49	47
C225FL					
C225FL2935G6	0.60	0.16	562	29	35
C225FL3536G6	0.89	0.39	360	35	36
C225FL4338G6	1.30	0.47	328	43	38
C225FL5740G6	2.40	0.80	251	57	40
C225FL7042G6	3.80	1.50	184	70	42
C225FL8544G6	5.10	2.60	139	85	44
C225FL11047G6	8.00	6.40	89	110	47

NOTES

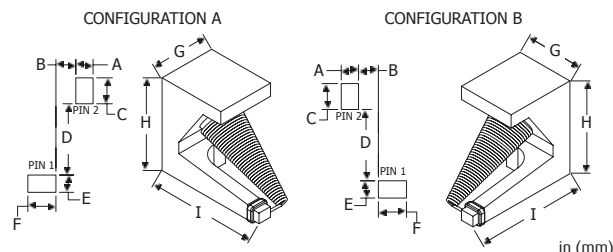
- Operating Temperature Range: -55°C to +125°C
- Current Rating is based on a 35°C temperature rise at an ambient temperature of 90°C
- Wire Type: Copper
- All non-tolerance and electrical data are reference only and based on nominal data
- Materials are fungus-inert to meet method 508 of MIL-STD-810H

PACKAGING SPECS

Bulk - 50 pieces per case

* Meets a TML (Total Mass Loss) requirement of 1.0% maximum when tested in accordance with ASTM E595; this calculation does not include WVR (Water Vapor Recovered)

Surface Mount Conical Inductors



SERIES	A DIM	B DIM	C DIM	D DIM	E DIM	F DIM	G DIM	H DIM	I DIM
C100SMNL	0.020 (0.508)	0.023 (0.584)	0.030 (0.762)	0.0825 (2.095)	0.020 (0.508)	0.0325 (0.825)	0.065 (1.65)	0.110 (2.80)	0.130 (3.30)
C100SMNR	0.020 (0.508)	0.023 (0.584)	0.030 (0.762)	0.0825 (2.095)	0.020 (0.508)	0.0325 (0.825)	0.065 (1.65)	0.110 (2.80)	0.130 (3.30)
C225SM	0.030 (0.762)	0.068 (1.727)	0.040 (1.00)	0.189 (4.788)	0.030 (0.762)	0.065 (1.65)	0.140 (3.65)	0.195 (4.95)	0.250 (6.35)

PART NUMBER	L μ H @ 10 MHz	DCR Ω NOM	CURRENT RATING mA DC	TURNS	WIRE SIZE AWG
C100SMNL (Config A)					
C100SMNL1938G6	0.20	0.10	655	19	38
C100SMNL2540G6	0.44	0.21	452	25	40
C100SMNL3142G6	0.58	0.47	302	31	42
C100SMNL3944G6	1.00	0.74	241	39	44
C100SMNL4947G6	1.54	1.70	140	49	47
C100SMNR (Config B)					
C100SMNR1938G6	0.20	0.10	655	19	38
C100SMNR2540G6	0.44	0.21	452	25	40
C100SMNR3142G6	0.58	0.47	302	31	42
C100SMNR3944G6	1.00	0.74	241	39	44
C100SMNR4947G6	1.54	1.70	140	49	47
C225SM (Config A)					
C225SM2432G6	0.45	0.07	1100	24	32
C225SM2935G6	0.60	0.16	733	29	35
C225SM3536G6	0.89	0.39	469	35	36
C225SM4338G6	1.30	0.47	428	43	38
C225SM5740G6	2.40	0.80	328	57	40
C225SM7042G6	3.60	1.50	239	70	43
C225SM8544G6	5.10	2.60	182	85	44
C225SM11047G6	8.00	6.40	116	110	47

NOTES

- Operating Temperature Range: -55°C to +125°C
- Current Rating is based on a 35°C temperature rise at an ambient temperature of 90°C
- Wire Type: Copper
- All non-tolerance and electrical data are reference only and based on nominal data
- Terminal is elongated to allow for soldering close to the tip of the coil
- Recommended that component is epoxied to substrate before reflow soldering
- Materials are fungus-inert to meet method 508 of MIL-STD-810H

TAPE AND REEL SPECS

	C100SMNL	C100SMNR	C225SM
Pieces/reel maximum:	600	600	250
Pitch between parts:	8 mm	8 mm	12 mm
Tape width:	16 mm	16 mm	16 mm
Reel diameter:	7 in.	7 in.	13 in.