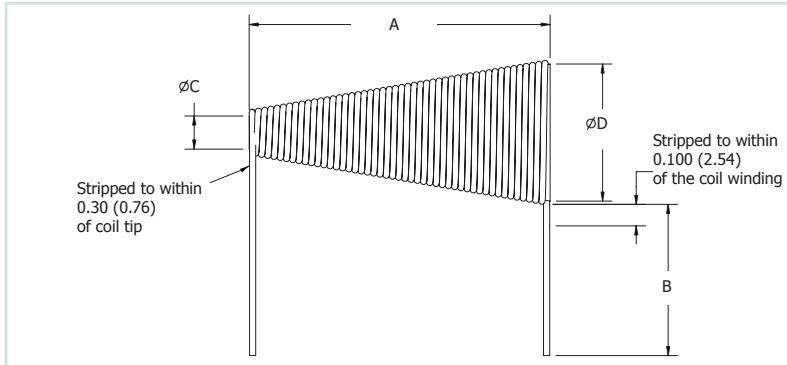
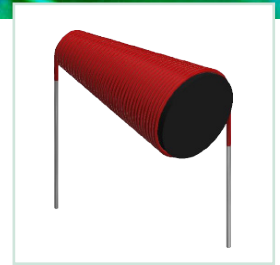


NEW BROADBAND DATA SUMMARY

RF Conical Family with Enhanced DC Current Handling Capability

Wirewound, Powdered Iron Core, Flying Lead

Outgassing Tested per ASTM E595 (*)



SERIES	A DIM MAX	B DIM MAX	C DIM REF	D DIM MAX
C305FL	0.305 (7.747)	0.500 (12.70)	0.020 (0.508)	0.100 (2.54)
C550FL	0.550 (13.97)	0.500 (12.70)	0.100 (2.54)	0.300 (7.62)
C750FL	0.750 (19.05)	0.500 (12.70)	0.110 (2.79)	0.370 (9.398)
C1000FL	1.00 (25.40)	0.500 (12.70)	0.110 (2.79)	0.450 (11.43)

PART NUMBER	L μ H @ 10 MHz TYP	Q @ 10 MHz TYP	DCR Ω MAX	CURRENT RATING mA DC	TURNS	WIRE SIZE AWG	WIRE TYPE
SERIES C305FL							
C305FL1726C6	0.30	41	0.020	7200	17	26	Copper
C305FL2128C6	0.50	40	0.035	3500	21	28	Copper
C305FL2830C6	0.90	40	0.070	2000	28	30	Copper
C305FL3432C6	1.00	38	0.125	1300	34	32	Copper
SERIES C550FL							
C550FL1520C6	1.20	66	0.020	10500	15	20	Copper
C550FL2524C6	3.10	55	0.035	4500	25	24	Copper
C550FL3126C6	5.00	52	0.070	3000	31	26	Copper
C550FL3528C6	6.80	47	0.125	2200	35	28	Copper
SERIES C750FL							
C750FL2220C6	2.50	50	0.020	8100	22	20	Copper
C750FL3424C6	7.00	52	0.070	4100	34	24	Copper
C750FL4326C6	12.00	47	0.140	3000	43	26	Copper
C750FL5328C6	16.00	60	0.265	2200	53	28	Copper
SERIES C1000FL							
C1000FL2920C6	5.00	48	0.030	7700	29	20	Copper
C1000FL4524C6	13.00	39	0.110	3800	45	24	Copper
C1000FL5726C6	22.00	30	0.215	2700	57	26	Copper

Custom designs are available to meet your specific requirements; please contact factory

These RoHS components meet the $\leq 0.1\%$ lead requirement and they are compatible with 260°C soldering processes.

NOTES:

- **Operating Temperature Range:**
-55°C to +125°C
- **Current Rating** is based on a 100°C temperature rise at an ambient temperature of 25°C
- All non-tolerance and electrical data are reference only and based on nominal data
- **Terminations:** Standard and gold terminations are RoHS compliant; please contact factory for Pb terminations
When ordering gold terminations change suffix in part number from C to G (eg. C305FL1726G6)
- **Weight Max:**
C305FL: 3.0 grams
C550FL: 3.1 grams
C750FL: 5.5 grams
C1000FL: 9.0 grams

* 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)

PACKAGING SPECS:

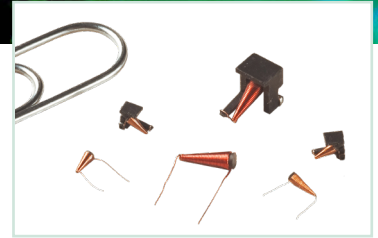
Bulk - in Jewel Case

BROADBAND DATA SUMMARY



Wirewound, Powdered Iron Core, Surface Mount & Flying Lead Conicals

Outgassing Tested per ASTM E595 (*)



SURFACE MOUNT

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

FLYING LEAD

PART NUMBER	L μ H @ 10 MHz	DCR Ω NOM	CURRENT RATING mA DC	TURNS	WIRE SIZE AWG	WIRE TYPE
SERIES C050FL						
C050FL2144G6	0.28	0.45	280	21	44	Copper
C050FL2947G6	0.47	0.87	204	29	47	Copper
SERIES C100FL						
C100FL1938G6	0.26	0.10	573	19	38	Copper
C100FL2540G6	0.37	0.21	396	25	40	Copper
C100FL3124G6	0.58	0.47	264	31	42	Copper
C100FL3944G6	1.00	0.74	211	39	44	Copper
C100FL4947G6	1.54	1.70	140	49	47	Copper
SERIES C225FL						
C225FL2935G6	0.60	0.16	562	29	35	Copper
C225FL3536G6	0.89	0.39	360	35	36	Copper
C225FL4338G6	1.30	0.47	328	43	38	Copper
C225FL5740G6	2.40	0.80	251	57	40	Copper
C225FL7042G6	3.80	1.50	184	70	42	Copper
C225FL8544G6	5.10	2.60	139	85	44	Copper
C225FL11047G6	8.00	6.40	89	110	47	Copper

Custom designs are available to meet your specific requirements; please contact factory

These RoHS components meet the $\leq 0.1\%$ lead requirement and they are compatible with 260°C soldering processes.

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
- All non-tolerance and electrical data are reference only and based on nominal data
- **Terminations:** Gold and RoHS compliant

- **Weight Max:**
 C100SMNL: 0.0135 grams
 C100SMNR: 0.0135 grams
 C225SM: 0.0320 grams
 C050FL: 0.0040 grams
 C100FL: 0.0069 grams
 C225FL: 0.0289 grams

* 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 ONLY:

- Terminal is elongated to allow for soldering close to the tip of the coil
- Recommended that component is epoxied to substrate before reflow soldering