

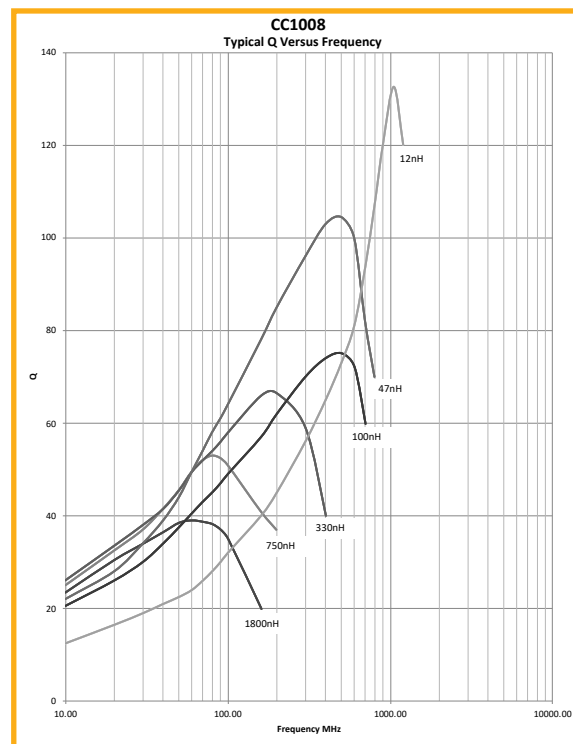
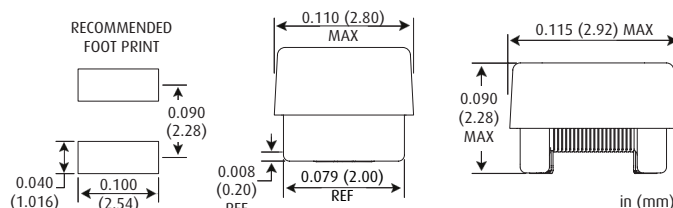
CC1008 SERIES

Ceramic Surface Mount Chip Inductor

Outgassing Tested per ASTM E595 (*)



PART NUMBER	L nH	TEST FREQ MHZ	Q MIN	Q TEST FREQ MHZ	SRF MHZ MIN	DCR Ω NOM	CURRENT RATING mA DC
CERAMIC CORE							
CC1008-010J	10	50	50	500	4100	0.080	1000
CC1008-012J	12	50	50	500	3300	0.090	1000
CC1008-015J	15	50	50	500	2500	0.100	1000
CC1008-018G	18	50	50	500	2500	0.110	1000
CC1008-022G	22	50	55	350	2400	0.120	1000
CC1008-027G	27	50	55	350	1600	0.130	1000
CC1008-033G	33	50	60	350	1600	0.140	1000
CC1008-039G	39	50	60	350	1300	0.150	1000
CC1008-047G	47	50	65	350	1500	0.160	1000
CC1008-056G	56	50	65	350	1300	0.180	1000
CC1008-068G	68	50	65	350	1300	0.200	1000
CC1008-082G	82	50	60	350	1000	0.220	1000
CC1008-100G	100	25	60	350	1000	0.560	655
CC1008-120G	120	25	60	350	950	0.630	617
CC1008-150G	150	25	45	100	850	0.700	585
CC1008-180G	180	25	45	100	750	0.770	560
CC1008-220G	220	25	45	100	700	0.840	535
CC1008-270G	270	25	45	100	600	0.910	515
CC1008-330G	330	25	45	100	570	1.05	475
CC1008-390G	390	25	45	100	500	1.12	460
CC1008-470G	470	25	45	100	450	1.19	450
CC1008-560G	560	25	45	100	415	1.33	425
CC1008-680G	680	25	45	100	375	1.47	405
CC1008-820G	820	25	45	100	350	1.61	385
CC1008-101G	1000	25	35	50	290	1.75	370
CC1008-121G	1200	7.9	35	50	250	2.00	345
CC1008-151G	1500	7.9	28	50	200	2.30	325
CC1008-181G	1800	7.9	28	50	160	2.60	305
CC1008-221G	2200	7.9	28	50	160	2.80	295
CC1008-271G	2700	7.9	22	25	90	3.80	250
CC1008-331G	3300	7.9	22	25	90	4.20	240
CC1008-391G	3900	7.9	20	25	90	4.40	235
CC1008-471G	4700	7.9	20	25	90	4.90	220



NOTES

- Operating Temperature Range: -40°C to +125°C
- Current Rating is based on a 35°C temperature rise at an ambient temperature of 90°C
- Weight MAX: 0.050 grams
- Suitable for reflow soldering
- Flat top cover for pick and place
- Excellent for high frequency applications
- Meets a TML (Total Mass Loss) requirement of 1.0% maximum when testing in accordance with ASTM E595; this calculation does not include WVR (Water Vapor Recovered)
- Materials are fungus-inert to meet method 508 of MIL-STD-810H
- Custom designs are available to meet your specific requirements; please contact factory

PART NUMBER DERIVATION

GEC Series — CC1008 - 010 J S

Inductance: 4 signif. digits or ex: 010 = 10nH, 100 = 100nH

Tolerance: M = 20%, K = 10%, J = 5%, G = 2% (Table shows lowest standard tolerance option)

Termination: No Suffix = Non-soldered, Gold (Au) (Standard)

S = Soldered (2 versions available: Pb = Tin/Lead or RoHS = Tin/Copper)

TAPE AND REEL SPECS

Pieces/reel maximum: 2200

Pitch between parts: 4 mm

Tape width: 8 mm

Reel diameter: 7 in.