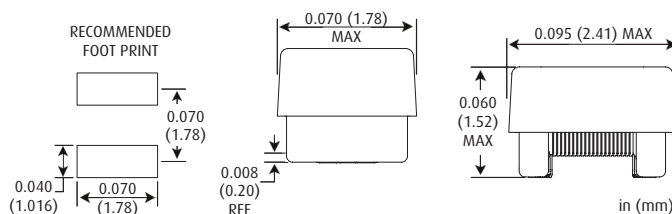


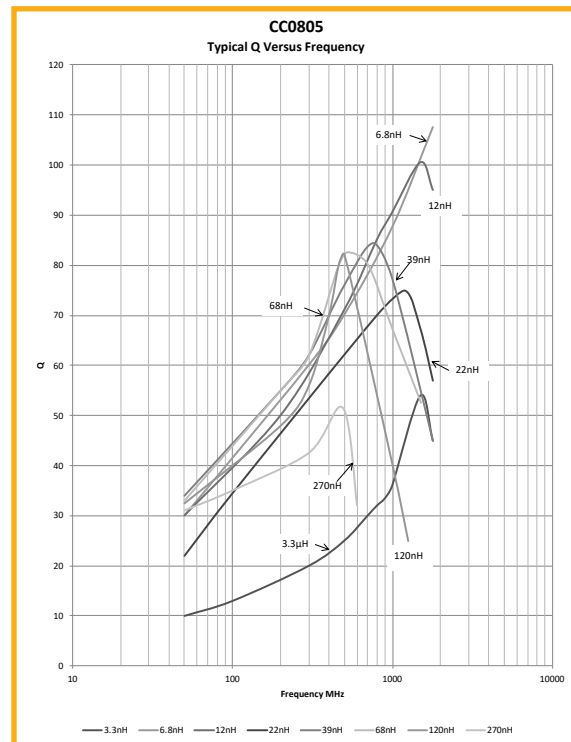
CC0805 SERIES

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							
CC0805-0024K	2.4	250	55	1800	6000	0.080	1000
CC0805-0027K	2.7	250	55	1800	6000	0.080	1000
CC0805-0033K	3.3	250	50	1500	6000	0.080	1000
CC0805-0047K	4.7	250	60	1500	5000	0.080	1000
CC0805-0056J	5.6	250	60	1500	5000	0.090	1000
CC0805-0068J	6.8	250	60	1500	4600	0.110	1000
CC0805-0082J	8.2	250	55	1500	4600	0.120	970
CC0805-010J	10	250	60	1500	4500	0.130	930
CC0805-012G	12	250	65	500	4000	0.150	870
CC0805-015G	15	250	50	500	2800	0.170	810
CC0805-018G	18	250	50	500	2600	0.200	750
CC0805-022G	22	250	55	500	2300	0.220	720
CC0805-027G	27	250	55	500	2300	0.250	670
CC0805-033G	33	250	60	500	2000	0.270	650
CC0805-039G	39	250	60	500	2000	0.290	625
CC0805-047G	47	250	60	500	1900	0.310	600
CC0805-056G	56	250	50	500	1600	0.340	570
CC0805-068G	68	250	50	500	1500	0.380	640
CC0805-082G	82	150	55	500	1330	0.420	520
CC0805-100G	100	150	55	500	1250	0.460	490
CC0805-120G	120	150	45	250	1100	0.510	470
CC0805-150G	150	100	45	250	920	0.700	400
CC0805-180G	180	100	45	250	920	0.800	370
CC0805-220G	220	100	45	250	820	1.20	300
CC0805-270G	270	100	40	200	730	1.20	300
CC0805-330G	330	100	40	200	750	1.80	250
CC0805-390G	390	100	40	200	700	2.00	230
CC0805-470G	470	100	40	200	600	3.00	210
CC0805-560G	560	100	40	200	500	3.50	180
CC0805-680G	680	50	40	200	450	4.00	170
CC0805-820G	820	25	15	25	250	2.50	210
CC0805-101G	1000	25	15	25	250	3.00	195
CC0805-181G	1800	7.9	15	7.9	50	4.50	150
CC0805-221G	2200	7.9	15	7.9	40	5.00	140



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
- Weight MAX: < 0.05 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 **CC0805 - 0022 K**

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)
*Optional tolerances are available; contact factory

Termination: Gold Plated Nickel (standard and RoHS compliant)

TAPE AND REEL SPECS

Pieces/reel maximum:	2500
Pitch between parts:	4 mm
Tape width:	8 mm
Reel diameter:	7 in.