

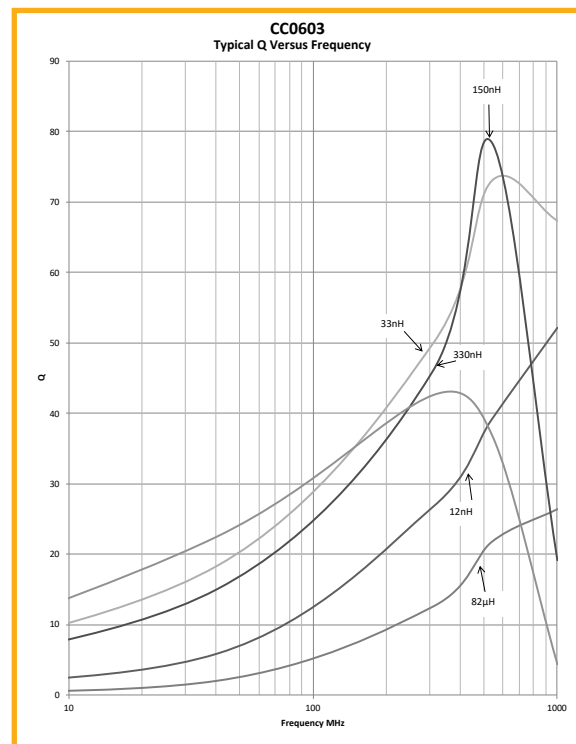
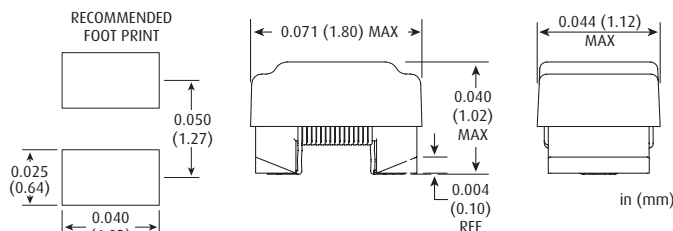
CC0603 SERIES

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							
CC0603-0018K	1.8	250	22	250	6000	0.070	1000
CC0603-0036J	3.6	250	22	250	6000	0.070	1000
CC0603-0039J	3.9	250	22	250	6000	0.070	1000
CC0603-0047J	4.7	250	22	250	6000	0.090	887
CC0603-0068J	6.8	250	30	250	5800	0.100	841
CC0603-010J	10	250	31	250	4800	0.160	665
CC0603-012G	12	250	35	250	4000	0.130	738
CC0603-015G	15	250	35	250	4000	0.170	645
CC0603-018G	18	250	35	250	3100	0.170	645
CC0603-022G	22	250	38	250	3000	0.190	610
CC0603-027G	27	250	40	250	2800	0.220	567
CC0603-033G	33	250	40	250	2300	0.220	567
CC0603-039G	39	250	40	250	2200	0.240	543
CC0603-047G	47	200	38	200	2000	0.280	503
CC0603-056G	56	200	38	200	1900	0.310	478
CC0603-068G	68	200	37	200	1700	0.360	443
CC0603-082G	82	150	34	150	1700	0.540	362
CC0603-100G	100	150	34	150	1400	0.747	308
CC0603-120G	120	150	32	150	1300	0.788	300
CC0603-150G	150	150	28	150	990	1.14	249
CC0603-180G	180	150	25	150	990	1.28	235
CC0603-220G	220	100	25	150	700	1.70	204
CC0603-270G	270	25	16	25	600	1.78	199
CC0603-330G	330	25	14	25	300	2.20	179



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: < 0.05 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

CC0603 - 0018 K S

GEC Series

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:	3000
Pitch between parts:	4 mm
Tape width:	8 mm
Reel diameter:	7 in.