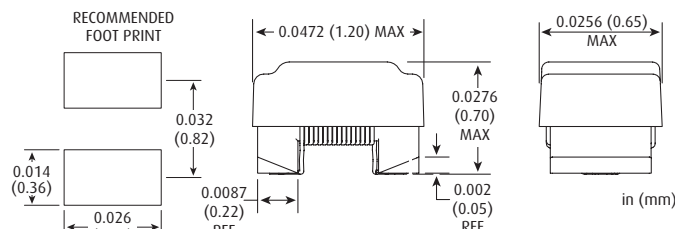


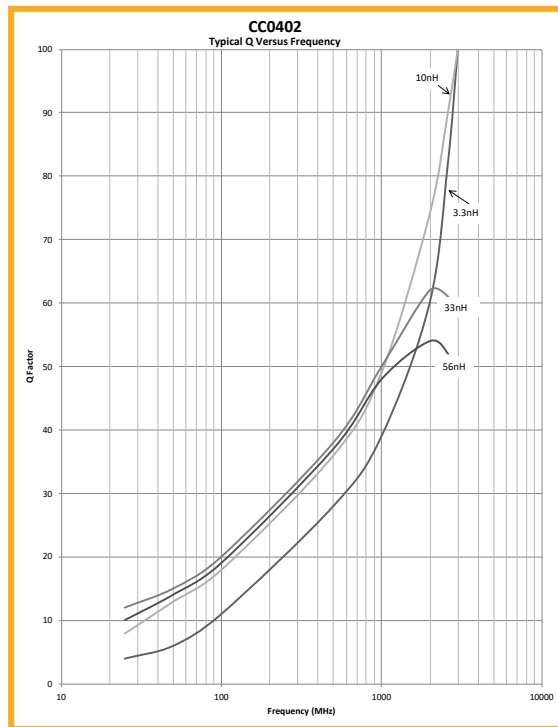
CC0402 SERIES

Ceramic Surface Mount Chip Inductor

Outgassing Tested per ASTM E595 (*)



PART NUMBER	L nH	Q MIN	L&Q TEST FREQ MHZ	SRF MHZ MIN	DCR Ω MAX	CURRENT RATING mA DC
CERAMIC CORE						
CC0402-0009G	0.90	11	250	6000	0.040	1020
CC0402-0010G	1.0	11	250	6000	0.070	525
CC0402-0012G	1.2	11	250	6000	0.110	525
CC0402-0018G	1.8	16	250	6000	0.070	780
CC0402-0019G	1.9	16	250	6000	0.070	780
CC0402-0020G	2.0	16	250	6000	0.070	780
CC0402-0022G	2.2	14	250	6000	0.110	480
CC0402-0024G	2.4	16	250	6000	0.120	480
CC0402-0025G	2.5	16	250	6000	0.120	480
CC0402-0027G	2.7	16	250	6000	0.135	480
CC0402-0029G	2.9	16	250	6000	0.125	525
CC0402-0033G	3.3	20	250	6000	0.100	525
CC0402-0036G	3.6	19	250	6000	0.100	525
CC0402-0039G	3.9	19	250	4800	0.100	525
CC0402-0043G	4.3	18	250	6000	0.091	525
CC0402-0047G	4.7	15	250	4775	0.130	480
CC0402-0051G	5.1	23	250	4800	0.105	600
CC0402-0056G	5.6	22	250	4800	0.110	570
CC0402-0062G	6.2	20	250	4800	0.110	570
CC0402-0068G	6.8	21	250	4800	0.100	510
CC0402-0075G	7.5	24	250	4800	0.100	510
CC0402-0082G	8.2	24	250	4400	0.100	510
CC0402-0087G	8.7	22	250	4160	0.160	509
CC0402-0090G	9.0	22	250	4160	0.160	509
CC0402-0091G	9.1	22	250	4000	0.200	360
CC0402-0095G	9.5	22	250	4000	0.200	360
CC0402-010G	10	21	250	3900	0.200	360
CC0402-011G	11	24	250	3680	0.170	480
CC0402-012G	12	24	250	3600	0.170	480
CC0402-013G	13	24	250	3600	0.170	480
CC0402-015G	15	24	250	3280	0.170	420
CC0402-016G	16	24	250	3100	0.220	420
CC0402-018G	18	25	250	3100	0.230	315
CC0402-019G	19	24	250	3040	0.240	360
CC0402-020G	20	25	250	3000	0.250	315
CC0402-022G	22	25	250	2800	0.300	300
CC0402-023G	23	22	250	2720	0.300	300
CC0402-024G	24	22	250	2480	0.300	300
CC0402-027G	27	24	250	2480	0.300	300
CC0402-030G	30	24	250	2350	0.330	300
CC0402-033G	33	24	250	2350	0.300	240
CC0402-036G	36	24	250	2320	0.440	240
CC0402-039G	39	25	250	2100	0.550	150
CC0402-040G	40	25	250	2100	0.830	112
CC0402-043G	43	25	250	2100	0.750	112
CC0402-047G	47	25	250	2100	0.830	112
CC0402-051G	51	25	250	1760	0.970	75
CC0402-056G	56	25	250	1760	0.970	75
CC0402-068G	68	25	250	1620	1.20	75
CC0402-072G	72	15	100	1070	1.20	60
CC0402-100G	100	15	100	1070	1.20	60
CC0402-120G	120	12	100	580	1.30	56.25
CC0402-130G	130	10	100	450	1.30	56.25
CC0402-150G	150	13	100	400	1.30	45
CC0402-180G	180	10	50	380	1.50	48.75
CC0402-200G	200	10	50	400	1.50	37.5
CC0402-220G	220	10	50	190	2.00	37.5



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 ——— **CC0402 - 0009 G**

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:	2000
Pitch between parts:	4 mm
Tape width:	8 mm
Reel diameter:	7 in.