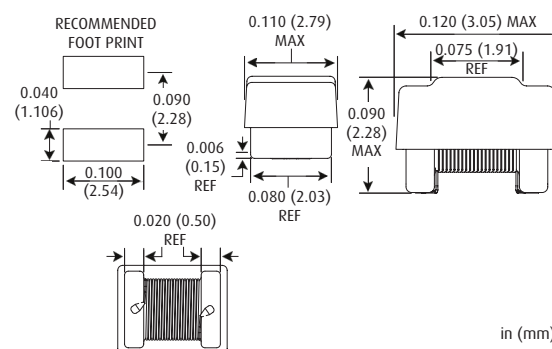


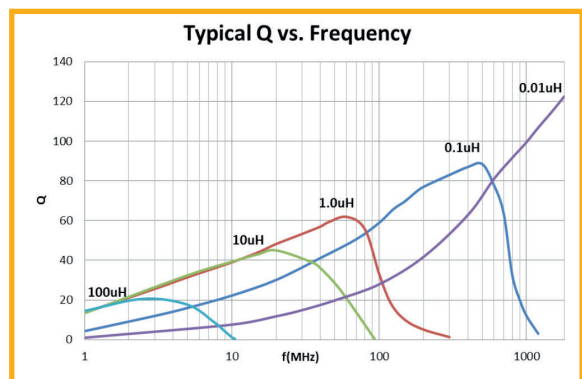
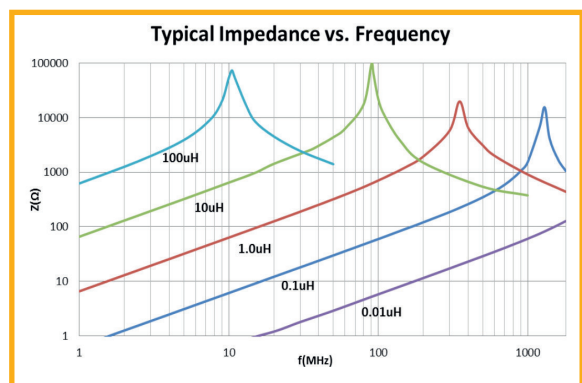
CC4H1008 SERIES

Ceramic High Performance Surface Mount Chip Inductor



in (mm)

PART NUMBER	L nH	L TEST FREQ MHz	Q MIN	Q TEST FREQ MHz	SRF MHz MIN	DCR Ω NOM	CURRENT RATING mA DC
CERAMIC CORE							
CC4H1008-0082M	8.2	50	50	500	3200	0.090	1840
CC4H1008-010K	10	50	50	500	3100	0.090	1840
CC4H1008-012K	12	50	55	500	3000	0.100	1740
CC4H1008-015K	15	50	60	400	2800	0.100	1740
CC4H1008-018K	18	50	65	350	2600	0.110	1600
CC4H1008-022K	22	50	70	350	2400	0.110	1600
CC4H1008-027K	27	50	70	350	2200	0.120	1520
CC4H1008-033K	33	50	70	350	2000	0.130	1460
CC4H1008-039K	39	50	75	350	1800	0.140	1340
CC4H1008-047K	47	50	75	350	1550	0.140	1340
CC4H1008-056J	56	50	75	350	1400	0.160	1260
CC4H1008-068J	68	50	70	350	1300	0.180	1190
CC4H1008-082J	82	50	70	350	1200	0.200	1120
CC4H1008-100J	100	25	70	350	1100	0.210	1100



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: 0.035 grams
- Suitable for reflow soldering
- Flat top cover for pick and place
- Excellent for high frequency applications
- No internal solder connection increases reliability
- Very tight distribution within lots
- Extremely high SRF; Exceptional Q
- High current handling capability
- Low DC resistance
- 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 **CC4H1008 0082 M**

Inductance: 2 signif. digits & mult.
ex: 010 = 10nH, 100 = 100nH

Tolerance: M = ±20%, K = ±10%, J = ±5%
(Table shows lowest standard tolerance option)
Optional tolerances are available; contact factory

Termination: Gold over 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.