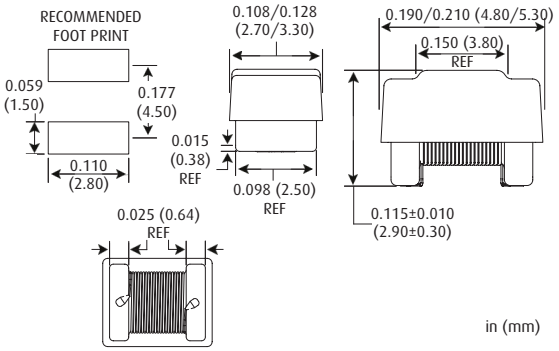
CC4H1812 SERIES

Ceramic High Performance Surface Mount Chip Inductor





in (mm)

PART NUMBER	L nH	L&Q TEST FREQ MHz	Q MIN	SRF MHZ MIN	DCR Ω MAX	CURRENT RATING mA DC MAX
CERAMIC CORE						
CC4H1812-010K	10	50	55	3700	0.060	2430
CC4H1812-012K	12	50	55	3300	0.060	2430
CC4H1812-015K	15	50	55	2900	0.060	2430
CC4H1812-018K	18	50	55	2600	0.070	2250
CC4H1812-022K	22	50	50	2400	0.080	2100
CC4H1812-027K	27	50	50	1800	0.080	2100
CC4H1812-033K	33	50	50	1500	0.110	1790
CC4H1812-039G	39	50	50	1400	0.120	1720
CC4H1812-047G	47	50	50	1300	0.135	1560
CC4H1812-056G	56	50	50	1200	0.135	1560
CC4H1812-068G	68	50	50	1100	0.135	1560
CC4H1812-082G	82	50	50	1000	0.135	1560
CC4H1812-100G	100	50	40	1000	0.135	1560

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

CC4H1210 010 K

GEC Series

Inductance: 2 signif. digits & mult.
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 over Nickel (Standard and RoHS compliant)

TAPE AND REEL SPECS

Pieces/reel maximum:	500
Pitch between parts:	8 mm
Tape width:	16 mm
Reel diameter:	7 in.

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