



CC4H1812



Ceramic Wirewound, High Performance

PART NUMBER	L nH	L & Q TEST FREQ MHz	Q MIN	SRF MHz MIN	DCR OHMS MAX	CURRENT RATING mA DC MAX
CERAMIC CORE						
CC4H1812-010*1	10.0	50	55	3700	0.060	2430
CC4H1812-012*1	12.0	50	55	3300	0.060	2430
CC4H1812-015*1	15.0	50	55	2900	0.060	2430
CC4H1812-018*1	18.0	50	55	2600	0.070	2250
CC4H1812-022*1	22.0	50	50	2400	0.080	2100
CC4H1812-027*1	27.0	50	50	1800	0.080	2100
CC4H1812-033*1	33.0	50	50	1500	0.110	1790
CC4H1812-039*2	39.0	50	50	1400	0.120	1720
CC4H1812-047*2	47.0	50	50	1300	0.135	1560
CC4H1812-056*2	56.0	50	50	1200	0.135	1560
CC4H1812-068*2	68.0	50	50	1100	0.135	1560
CC4H1812-082*2	82.0	50	50	1000	0.135	1560
CC4H1812-100*2	100.0	25	40	1000	0.135	1560

*1 Substitute "M" for 20% tolerance, "K" for 10% tolerance

*2 Substitute "M" for 20% tolerance, "K" for 10% tolerance, "J" for 5% tolerance, "G" for 2% tolerance

Optional tolerances of 3% or 1% may be available; please contact factory.

Custom designs are available to meet your specific requirements; please contact factory.

These RoHS components meet the $\leq 0.1\%$ lead requirement and they are compatible with 260° soldering processes.

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
- Terminations are Gold over Nickel
- Inductance is measured using the HP4291
- Q is measured using the HP4342 Q Meter
- SRF is measured using the HP4291, HP8753 or equivalent
- Suitable for reflow soldering
- Flat top cover for pick and place
- Excellent for high frequency applications
- Refer to CF4H1812 (ferrite core) series for higher inductance values
- No internal solder connection increases reliability
- Very tight distribution within lots
- Extremely high SRF; Exceptional Q
- High current handling capability
- Low DC resistance
- Applications include: electronic test equipment, medical equipment, telecommunications, disk drives, computers and modems, aviation equipment, navigation equipment and cable TV

TAPE AND REEL SPECS:

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

