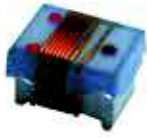


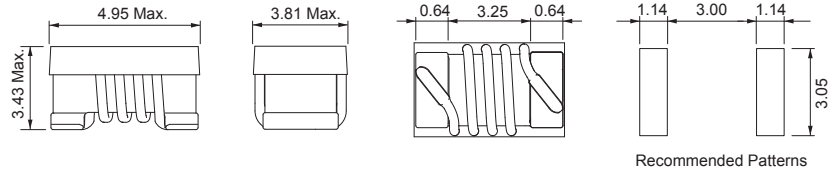
# 1812CP Series

## ■ SMD Wire Wound Ceramic Chip Inductors

### MECHANICAL DIMENSIONS



1812CP



Recommended Patterns

unit: mm

### ELECTRICAL SPECIFICATION

Part Number	Inductance (nH)	Test Freq. (MHz)	Inductance Tolerance	Q Min.	Test Freq. (MHz)	SRF (MHz) Min.	DCR (mΩ) Max.	I <sub>rms</sub> (mA)	Color Code		
									1st	2nd	multiplier
1812CP-82N□-LRH	82	50	K, J, G	70	50	800	60	1500	GRAY	RED	BLACK
1812CP-R10□-LRH	100	50	K, J, G	70	50	850	110	1150	BROWN	BLACK	BROWN
1812CP-R15□-LRH	150	50	K, J, G	75	50	860	110	1150	BROWN	GREEN	BROWN
1812CP-R18□-LRH	180	50	K, J, G	80	50	850	110	1150	BROWN	GRAY	BROWN
1812CP-R22□-LRH	220	50	K, J, G	80	50	700	105	940	RED	RED	BROWN
1812CP-R27□-LRH	270	50	K, J, G	85	50	730	120	940	RED	VIOLET	BROWN
1812CP-R33□-LRH	330	50	K, J, G	80	50	600	135	850	ORANGE	ORANGE	BROWN
1812CP-R39□-LRH	390	50	K, J, G	80	50	600	140	850	ORANGE	WHITE	BROWN
1812CP-1R2□-LRH	1200	50	K, J, G	62	50	230	1200	480	BROWN	RED	RED

- External electrode: 1812CP (Sn-plating), 1812C (Au-plating)
- Tolerance: K=±10%; J=±5%; G=±2%
- Operating Temp: -40°C to +125°C
- For 15°C Temperature Rise.
- Inductance & Q measured using the HP4291B.
- SRF measured using the HP8753E or HP8720D.
- DCR measured using the 16502 milli-ohm meter.
- Unspecified values available on request.

### CHARACTERISTIC CURVE

#### 1812CP Series

