

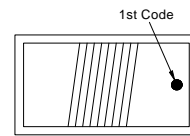
# SMD Wire Wound Ceramic Chip Inductors – 0805HCQ Series



CHONG YUE CO., LTD.

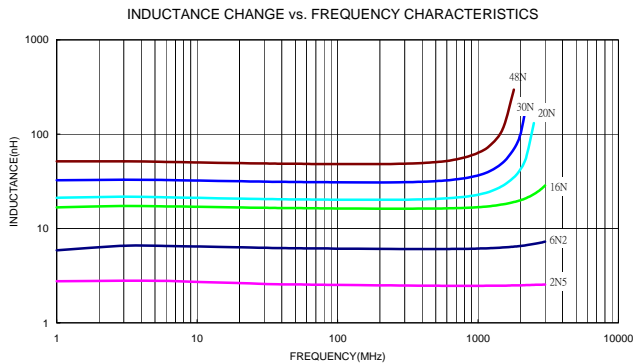
Part Number	Inductance (nH)	Tolerance (±%)	Q Min	SRF (MHz) Min	Rdc (Ω) Max	Irms (mA) Max	Color Coding
0805HCQ-2N5□	2.5 /250MHz	J / K	80 /1500MHz	10300	0.020	1600	Black
0805HCQ-5N6□	5.6 /250MHz	J / K	98 /1500MHz	6100	0.035	1600	Brown
0805HCQ-6N2□	6.2 /250MHz	J / K	88 /1000MHz	4750	0.035	1600	Red
0805HCQ-12N□	12 /250MHz	G / J / K	80 /1000MHz	3000	0.045	1600	Orange
0805HCQ-16N□	16 /250MHz	G / J / K	72 /500MHz	2950	0.060	1500	Yellow
0805HCQ-18N□	18 /250MHz	G / J / K	75 /500MHz	2550	0.060	1400	Green
0805HCQ-20N□	20 /250MHz	G / J / K	70 /500MHz	2050	0.055	1400	Blue
0805HCQ-27N□	27 /250MHz	G / J / K	75 /500MHz	2000	0.070	1300	Violet
0805HCQ-30N□	30 /250MHz	G / J / K	65 /500MHz	1950	0.095	1200	Gray
0805HCQ-39N□	39 /250MHz	G / J / K	65 /500MHz	1600	0.110	1100	White
0805HCQ-48N□	48 /200MHz	G / J / K	65 /500MHz	1400	0.095	1200	Black
0805HCQ-51N□	51 /200MHz	G / J / K	65 /500MHz	1400	0.120	1000	Brown

- When ordering, please specify tolerance and packaging codes. Ex: 0805HCQ-12N□
- Tolerance : G = ±2% , J = ±5% , K = ±10%
- Packaging: Clear tape and reel {standard}.
- L /Q: Agilent E4991A+ Agilent 16197A
- SRF: HP8753D/ Agilent E4991A
- RDC: Digital Milliohm Meter Chroma 16502 or equivalent.
- Irms for a 15°C rise above 25°C ambient.
- Operating temperature range from -40°C to 125°C

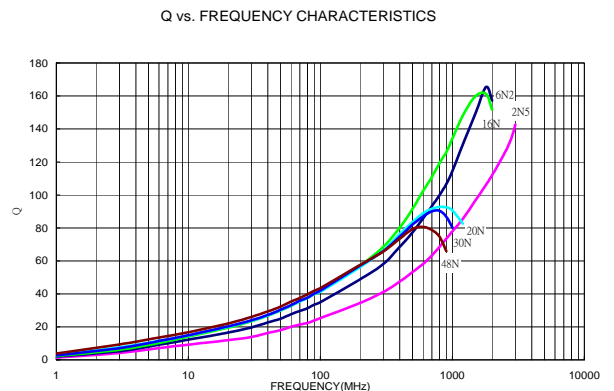


COLOR CODING

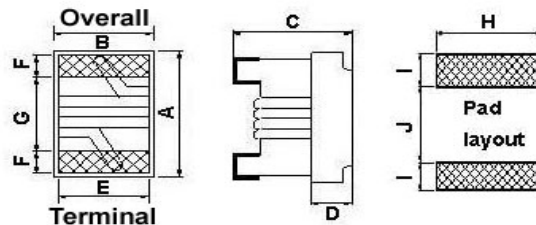
## Typical L vs. Frequency



## Typical Q vs. Frequency



## Shapes & Dimensions



### Dimensions

		A max	B max	C max	D ref	E	F	G	H	I	J
0805HCQ	mm	2.40	1.65	1.45	0.65	1.27	0.44	1.15	1.78	1.02	0.76

Note: Parts/Reel: 2000/7" Tape Width: 8mm