

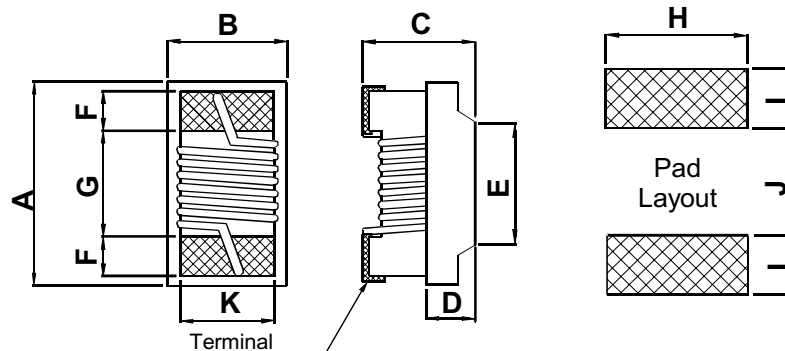
# WIRE-WOUND CHIP INDUCTOR – CERAMIC / High Q

## 0805CQ (2012) Series (2.5 ~ 51nH)

Part Number	Inductance nH	Percent Tolerance	Q Min	SRF Min MHz	R <sub>DC</sub> Max Ohms	I <sub>DC</sub> Max mA	Color Code
0805CQ-2N5E_PS	2.5 @ 250MHz	10,5	80 @ 1500MHz	6000	0.020	1600	Black
0805CQ-5N6E_PS	5.6 @ 250MHz	10,5	98 @ 1500MHz	6000	0.035	1600	Brown
0805CQ-6N2E_PS	6.2 @ 250MHz	10,5	88 @ 1000MHz	4750	0.035	1600	Red
0805CQ-120E_PS	12.0 @ 250MHz	10,5	80 @ 1000MHz	3000	0.045	1600	Orange
0805CQ-160E_PS	16.0 @ 250MHz	10,5,2	72 @ 500MHz	2950	0.060	1500	Yellow
0805CQ-180E_PS	18.0 @ 250MHz	10,5,2	75 @ 500MHz	2550	0.060	1400	Green
0805CQ-200E_PS	20.0 @ 250MHz	10,5,2	70 @ 500MHz	2050	0.055	1400	Blue
0805CQ-270E_PS	27.0 @ 250MHz	10,5,2	75 @ 500MHz	2000	0.070	1300	Violet
0805CQ-300E_PS	30.0 @ 250MHz	10,5,2	65 @ 500MHz	1950	0.095	1200	Gray
0805CQ-390E_PS	39.0 @ 250MHz	10,5,2	65 @ 500MHz	1600	0.110	1100	White
0805CQ-480E_PS	48.0 @ 200MHz	10,5,2	65 @ 500MHz	1400	0.095	1200	Black
0805CQ-510E_PS	51.0 @ 200MHz	10,5,2	65 @ 500MHz	1400	0.120	1000	Brown

Working Temperature Range : -40 °C ~ 125 °C

### Shape & Dimension



Terminal wraparound:  
Approx. 0.015/0.38 both ends

	A		B		C		D Ref.	E Ref.	F	G	H	I	J	K
	Max.	Ref.	Max.	Ref.	Max.	Ref.								
Inch	0.090	0.083	0.068	0.065	0.060	0.055	0.020	0.050	0.018	0.040	0.070	0.040	0.030	0.050
mm	2.29	2.10	1.73	1.65	1.52	1.40	0.51	1.27	0.44	1.02	1.78	1.02	0.76	1.27

Parts/Reel: 7" 2,000  
Tape Width: 8mm

### DELTA ELECTRONICS, INC.

(TAOYUAN PLANT CPBG) 31-1, Shien Pan Road, Kuei San Industrial Zone, Taoyuan Shien 333, TAIWAN, R.O.C.

TEL: 886-3-3626301; FAX: 886-3-3618901. 3618909

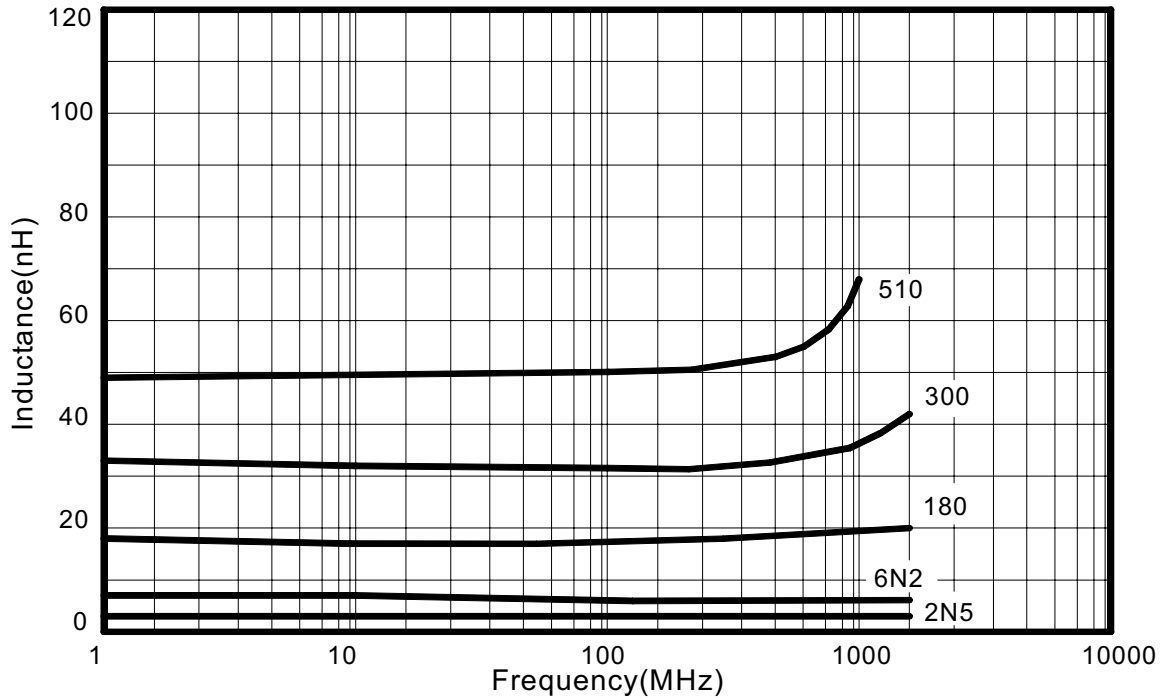
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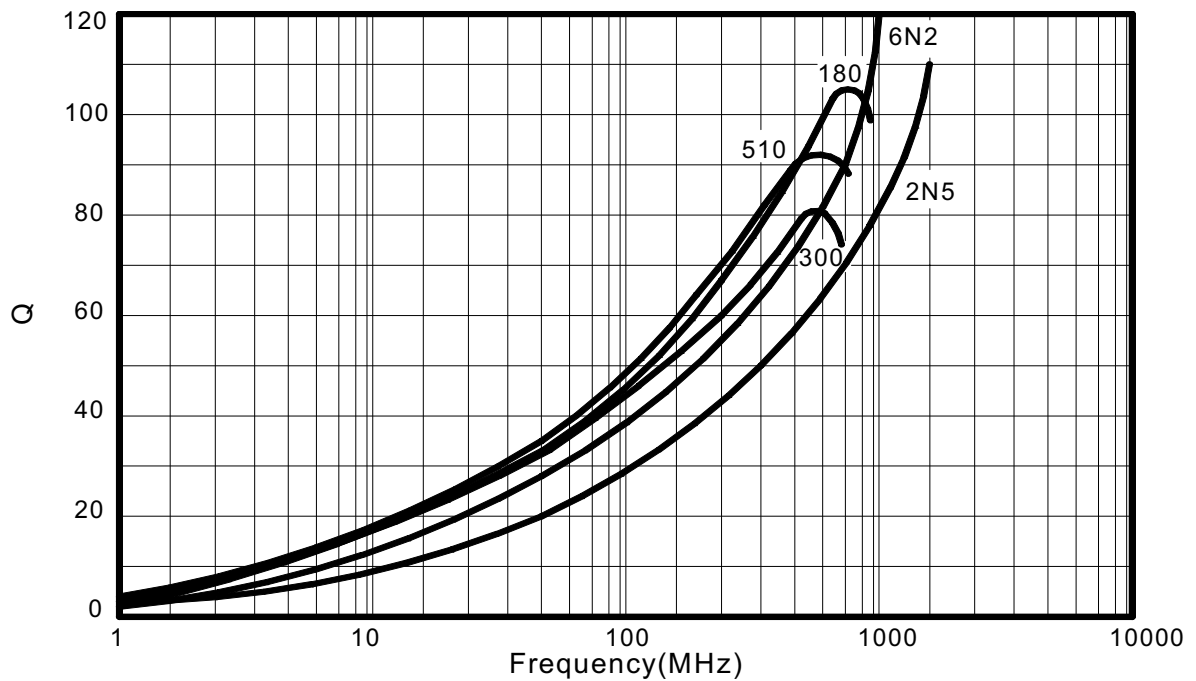
# WIRE-WOUND CHIP INDUCTOR – CERAMIC / High Q

## 0805CQ (2012) Series Typical Electrical Characteristics

### TYPICAL L vs FREQUENCY



### TYPICAL Q vs FREQUENCY



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