

1. Part Description

1.1 Part Numbering (Example)

(Ex.) **0805** **C** **Q** - **120** **E** **J** **T** **S**

SIZE .

0402 1.0 * 0.5 mm
0603 1.6 * 0.8 mm
0805 2.0 * 1.2 mm
1008 2.5 * 2.0 mm
1206 3.2 * 1.6 mm
1210 3.2 * 2.5 mm

SHAPE.

C : C SHAPE
H : H SHAPE
M : MOLDING

PROFILE .

S: STANDARD
T: LOW PROFILE
Q:HIGH Q

INDUCTANCE .

1ST , 2ND , 3RD MULTIPLIER

PACK .

S=EIA RS481 CLEAR TAPE & REEL

TERMINALTYPE/MATERIAL.

A/T = Terminal
F = Ferrite Core (Substrate)

INDUCTANCE TOLERANCE .

G = $\pm 2\%$, H = $\pm 3\%$, J = $\pm 5\%$, K = $\pm 10\%$
B= $\pm 0.1n H$, C= $\pm 0.2n H$, D= $\pm 0.5 n H$

SHAPE .

E = FLAT TOP

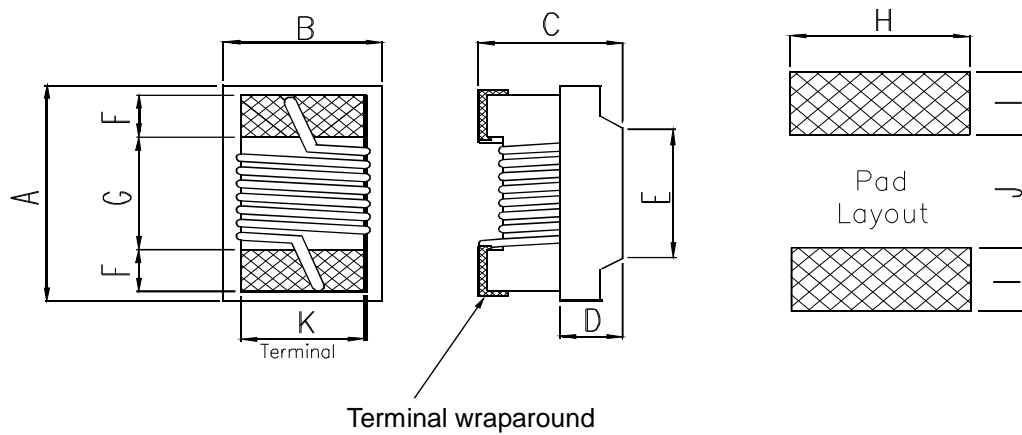
WIRE-WOUND CHIP INDUCTOR – CERAMIC / High Q

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

Part Number	Inductance nH	Percent Tolerance	Q Min	SRF Min MHz	RDC Max Ohms	IDC Max mA
0805CQ-2N5E_TS	2.5 @ 250MHz	10,5	80 @ 1500MHz	6000	0.020	1600
0805CQ-5N6E_TS	5.6 @ 250MHz	10,5	98 @ 1500MHz	6000	0.035	1600
0805CQ-6N2E_TS	6.2 @ 250MHz	10,5	88 @ 1000MHz	4750	0.035	1600
0805CQ-6N8E_TS	6.8 @ 250MHz	10,5	80 @ 1000MHz	4400	0.035	1600
0805CQ-8N2E_TS	8.2 @ 250MHz	10,5	75 @ 1000MHz	3000	0.075	1000
0805CQ-100E_TS	10 @ 250MHz	10,5	80 @ 1000MHz	3000	0.060	1600
0805CQ-120E_TS	12 @ 250MHz	10,5	80 @ 1000MHz	3000	0.045	1600
0805CQ-150E_TS	15 @ 250MHz	10,5,2	80 @ 1000MHz	2800	0.100	1200
0805CQ-160E_TS	16 @ 250MHz	10,5,2	72 @ 500MHz	2950	0.060	1500
0805CQ-180E_TS	18 @ 250MHz	10,5,2	75 @ 500MHz	2550	0.060	1400
0805CQ-200E_TS	20 @ 250MHz	10,5,2	70 @ 500MHz	2050	0.055	1400
0805CQ-220E_TS	22 @ 250MHz	10,5,2	80 @ 500MHz	2000	0.100	1200
0805CQ-270E_TS	27 @ 250MHz	10,5,2	75 @ 500MHz	2000	0.070	1300
0805CQ-300E_TS	30 @ 250MHz	10,5,2	65 @ 500MHz	1950	0.095	1200
0805CQ-390E_TS	39 @ 250MHz	10,5,2	65 @ 500MHz	1600	0.110	1100
0805CQ-480E_TS	48 @ 200MHz	10,5,2	65 @ 500MHz	1400	0.095	1200
0805CQ-510E_TS	51 @ 200MHz	10,5,2	65 @ 500MHz	1400	0.120	1000

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

Shape & Dimension



	A		B		C		D Ref.	E Ref.	F	G	H	I	J	K
	Max.	Ref	Max	Ref	Max	Ref								
inch	0.09	0.083	0.068	0.065	0.060	0.055	0.02	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" 2,000PCS

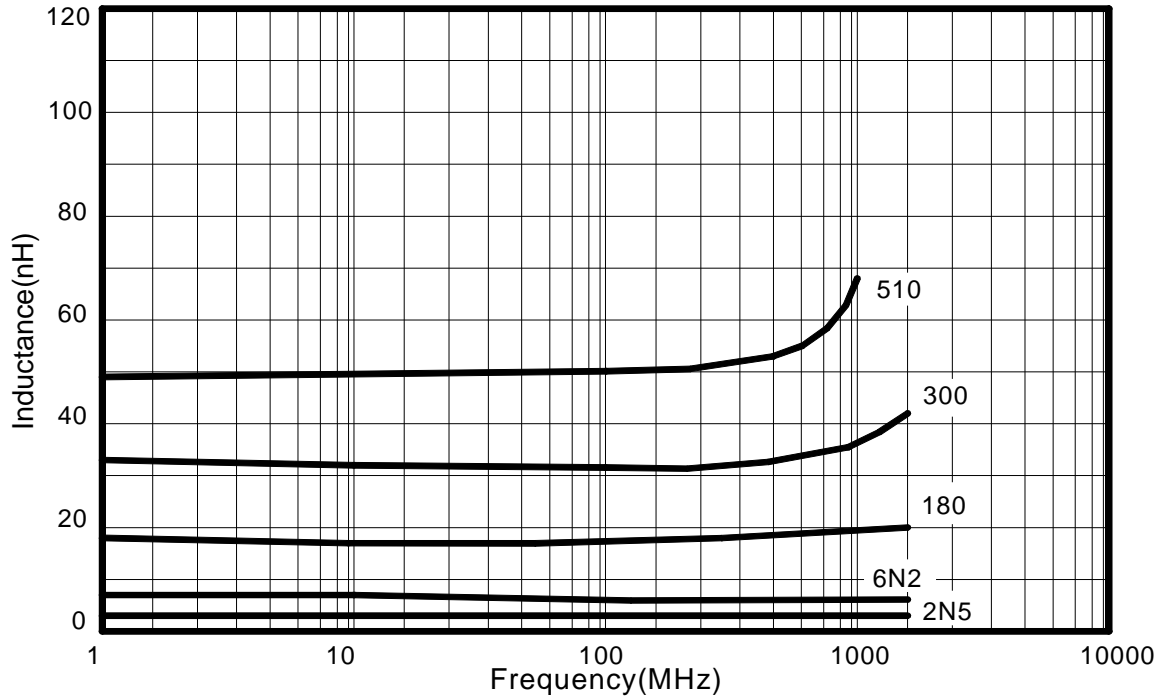
Tape Width: 8mm



WIRE-WOUND CHIP INDUCTOR – CERAMIC / High Q

0805CQ Series Typical Electrical Characteristics

TYPICAL L vs FREQUENCY



TYPICAL Q vs FREQUENCY

