

# 1. Part Description

## 1.1 Part Numbering (Example)

( Ex. )

**0603 C C - 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  
C:HIGH CURRENT

**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



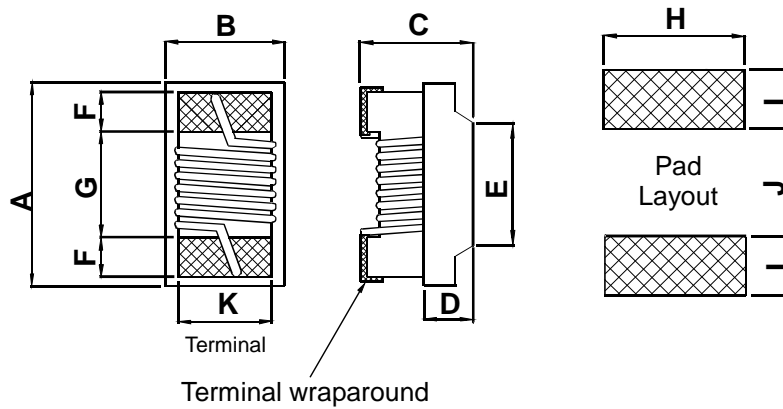
## WIRE-WOUND CHIP INDUCTOR – CERAMIC / Current

### 0603CC (1608) Series (1.6 ~ 24nH)

Part Number	Inductance nH	Percent Tolerance	Q Min	SRF Min MHz	RDC Max Ohms	IDC Max mA
0603CC-1N6E_TS	1.6 @ 250MHz	10,5	24	12500	0.030	2400
0603CC-3N6E_TS	3.6 @ 250MHz	10,5	24	5900	0.048	2300
0603CC-3N9E_TS	3.9 @ 250MHz	10,5	25	5900	0.054	2200
0603CC-6N8E_TS	6.8 @ 250MHz	10,5	35	5800	0.054	2100
0603CC-7N5E_TS	7.5 @ 250MHz	10,5	38	3700	0.059	2100
0603CC-8N2E_TS	8.2 @ 250MHz	10,5	38	3700	0.060	2000
0603CC-100E_TS	10.0 @ 250MHz	10,5,2	38	3700	0.071	2000
0603CC-120E_TS	12.0 @ 250MHz	10,5,2	38	3000	0.075	2000
0603CC-150E_TS	15.0 @ 250MHz	10,5,2	38	2800	0.080	1900
0603CC-180E_TS	18.0 @ 250MHz	10,5,2	40	2800	0.099	1900
0603CC-220E_TS	22.0 @ 250MHz	10,5,2	42	2400	0.099	1800
0603CC-240E_TS	24.0 @ 250MHz	10,5,2	42	2400	0.105	1800

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	0.071	0.065	0.044	0.041	0.040	0.035	0.015	0.039	0.013	0.034	0.040	0.025	0.025	0.030
mm	1.80	1.65	1.12	1.03	1.02	0.90	0.38	1.00	0.33	0.86	1.02	0.64	0.64	0.76

Parts/Reel: 7" 4,000 PCS

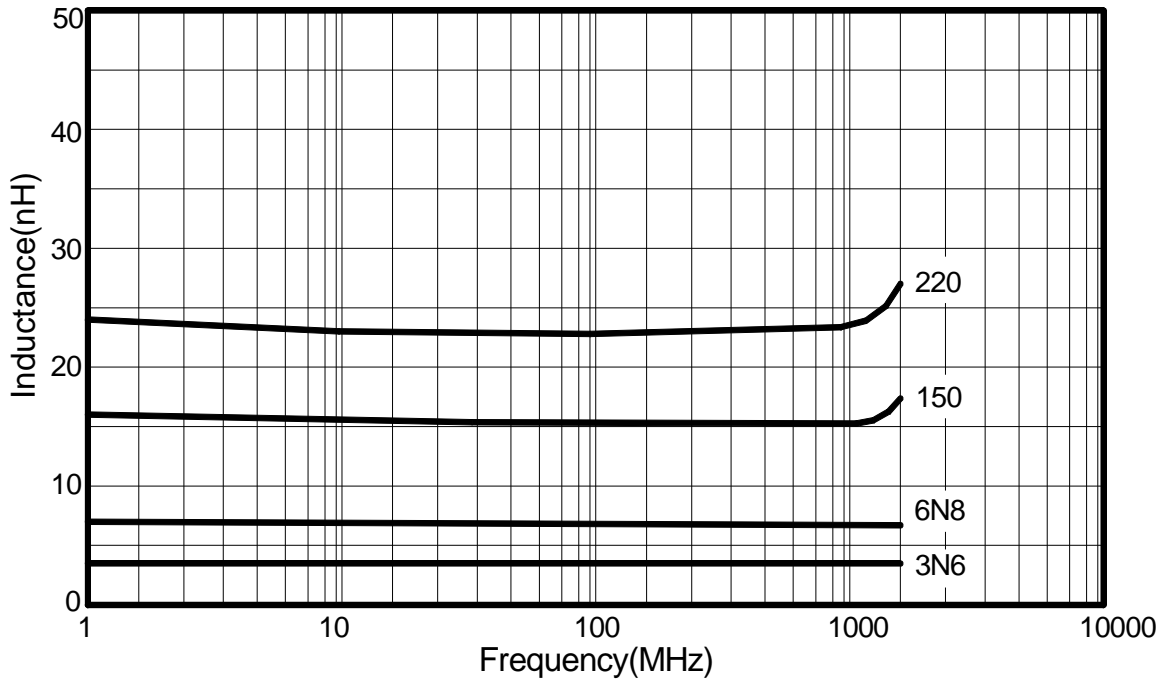
Tape Width: 8mm



# DELTA WIRE-WOUND CHIP INDUCTOR – CERAMIC / High Current

## 0603CC Series Typical Electrical Characteristics

### TYPICAL L vs FREQUENCY



### TYPICAL Q vs FREQUENCY

