

1. Part Description

1.1 Part Numbering (Example)

(Ex.)

0805 **C** **T -** **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

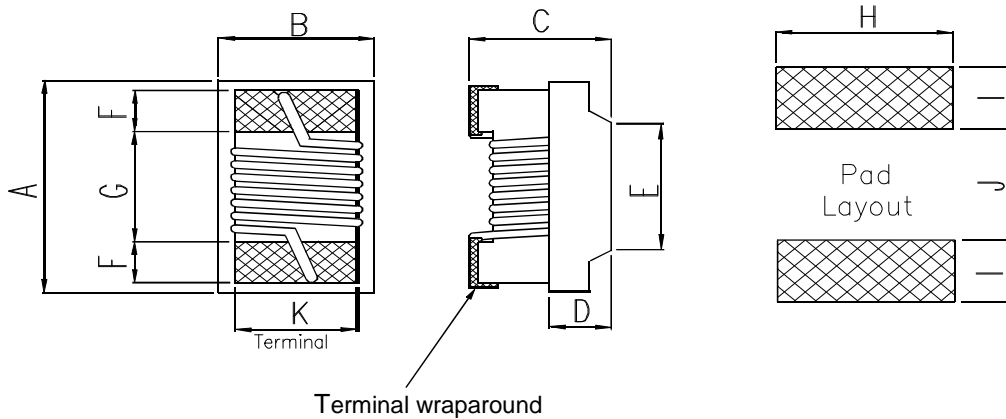
DELTA WIRE-WOUND CHIP INDUCTOR-CERAMIC/Low Profile

0805CT (2012) Series (1.8 ~ 1000nH)

Part Number	Inductance nH	Percent Tolerance	Q Min	SRF Min MHz	RDC Max Ohms	IDC Max mA
0805CT-1N8E_TS	1.8 @ 250MHz	10	55 @ 1500MHz	9400	0.03	800
0805CT-3N9E_TS	3.9 @ 250MHz	10,5	60 @ 1000MHz	6100	0.06	800
0805CT-4N7E_TS	4.7 @ 250MHz	10,5	50 @ 1000MHz	5500	0.06	800
0805CT-6N8E_TS	6.8 @ 250MHz	10,5	50 @ 1000MHz	5500	0.08	800
0805CT-8N2E_TS	8.2 @ 250MHz	10,5	50 @ 1000MHz	4800	0.08	800
0805CT-100E_TS	10.0 @ 250MHz	10,5,2	55 @ 750MHz	3300	0.08	800
0805CT-120E_TS	12.0 @ 250MHz	10,5,2	55 @ 750MHz	3800	0.10	800
0805CT-150E_TS	15.0 @ 250MHz	10,5,2	50 @ 500MHz	2950	0.10	800
0805CT-180E_TS	18.0 @ 250MHz	10,5,2	50 @ 500MHz	3100	0.13	800
0805CT-220E_TS	22.0 @ 250MHz	10,5,2	50 @ 500MHz	2900	0.15	800
0805CT-270E_TS	27.0 @ 250MHz	10,5,2	50 @ 500MHz	2450	0.23	600
0805CT-330E_TS	33.0 @ 250MHz	10,5,2	50 @ 500MHz	2350	0.28	600
0805CT-390E_TS	39.0 @ 250MHz	10,5,2	50 @ 500MHz	2200	0.33	600
0805CT-470E_TS	47.0 @ 200MHz	10,5,2	50 @ 500MHz	2000	0.39	600
0805CT-560E_TS	56.0 @ 200MHz	10,5,2	50 @ 500MHz	1850	0.39	500
0805CT-680E_TS	68.0 @ 200MHz	10,5,2	50 @ 500MHz	1500	0.40	500
0805CT-820E_TS	82.0 @ 150MHz	10,5,2	50 @ 500MHz	1500	0.44	500
0805CT-101E_TS	100.0 @ 150MHz	10,5,2	50 @ 500MHz	1200	0.64	400
0805CT-121E_TS	120.0 @ 150MHz	10,5,2	40 @ 250MHz	1150	0.68	300
0805CT-151E_TS	150.0 @ 150MHz	10,5,2	40 @ 250MHz	1050	0.80	300
0805CT-102E_TS	1000.0 @ 25MHz	10,5,2	16 @ 50MHz	80	3.50	170

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

Shape & Dimension



	A		B		C		D Ref.	E	F	G	H	I	J	K
	Max.	Ref	Max	Ref	Max	Ref								
inch	0.09	0.083	0.068	0.065	0.041	0.037	0.02	0.050	0.018	0.04	0.070	0.040	0.09	0.083
mm	2.29	2.10	1.73	1.65	1.03	0.93	0.51	1.27	0.44	1.02	1.78	1.02	2.29	2.10

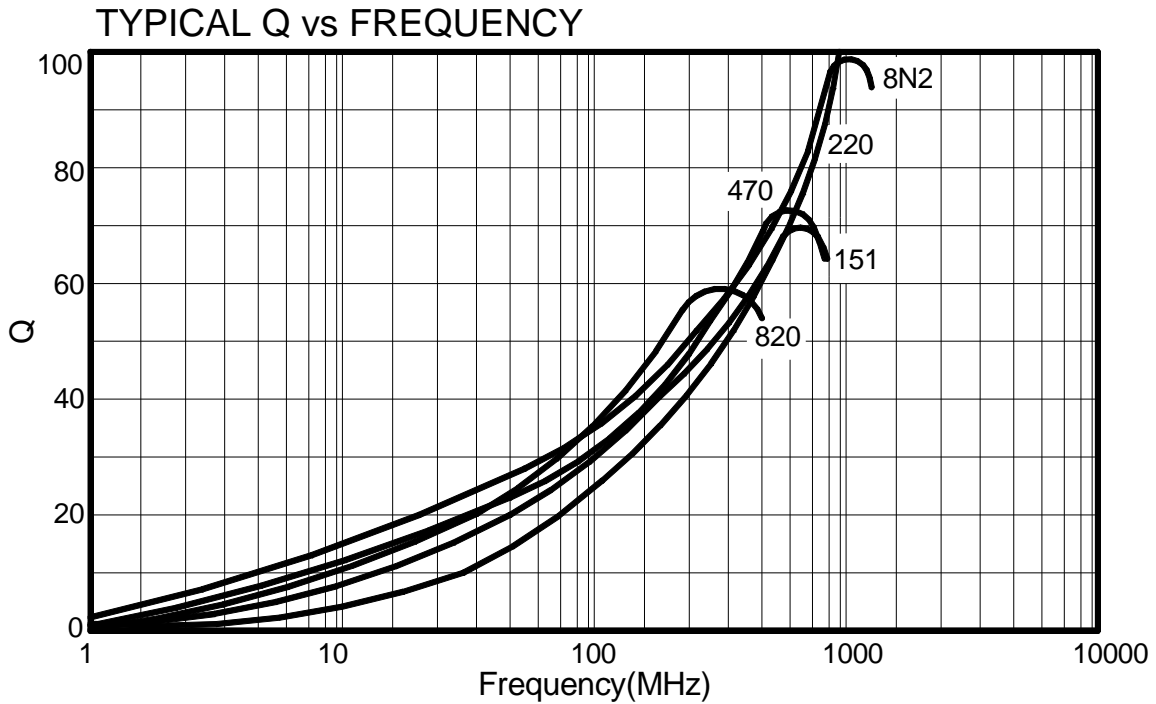
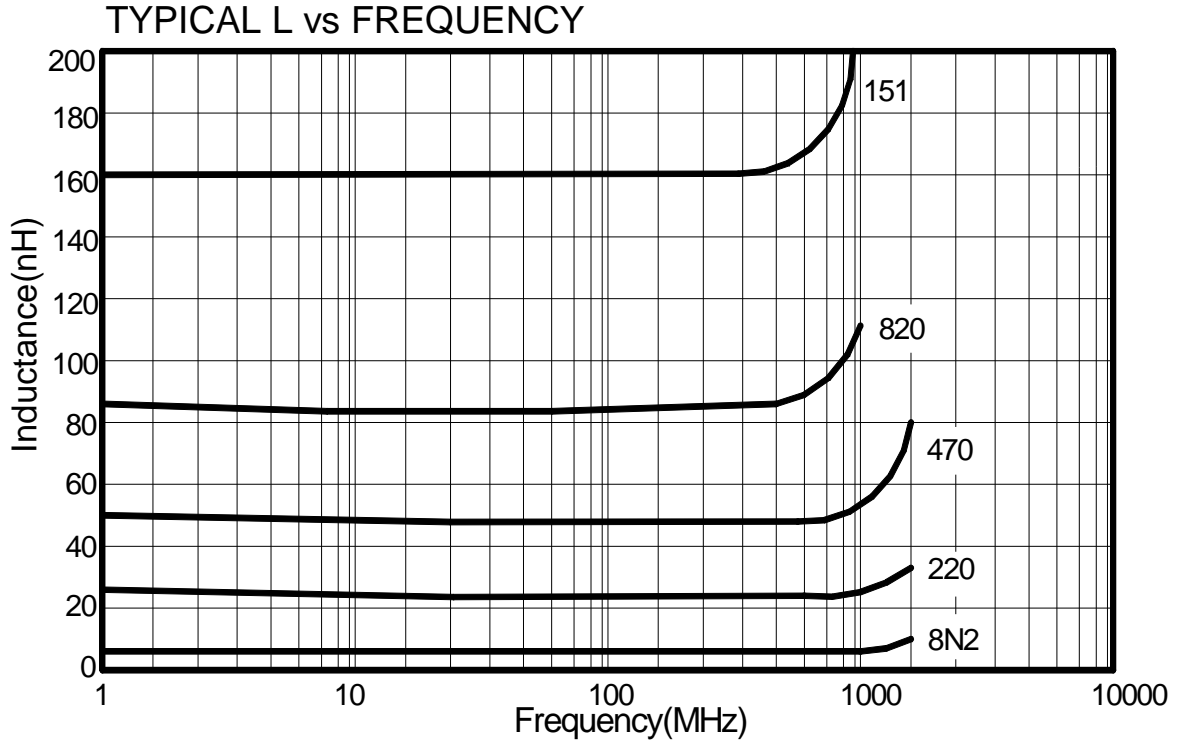
Parts/Reel: 7" 2,000PCS

Tape Width: 8mm



WIRE-WOUND CHIP INDUCTOR – CERAMIC / Low Profile

0805CT Series Typical Electrical Characteristics



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