

1. Part Description

1.1 Part Numbering (Example)

(Ex.) 1008 C T - 150 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 .

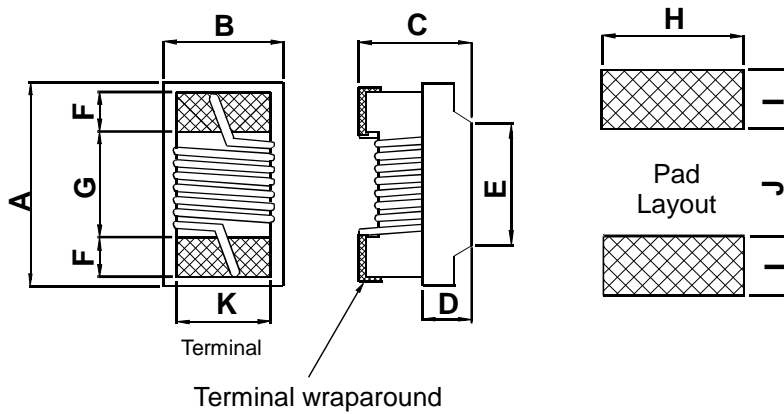
E = FLAT TOP

DELTA WIRE-WOUND CHIP INDUCTOR – CERAMIC / Low Profile
1008CT (2520) Series (3.3 ~ 1000nH)

Part Number	Inductance nH	Percent Tolerance	Q Min	SRF Min MHz	RDC Max Ohms	IDC Max mA
1008CT-3N3E_TS	3.3 @ 50MHz	10,5	42 @ 1500MHz	6000	0.03	1000
1008CT-4N2E_TS	4.2 @ 50MHz	10,5	42 @ 1500MHz	6000	0.15	1000
1008CT-6N8E_TS	6.8 @ 50MHz	10,5	50 @ 1500MHz	5400	0.17	1000
1008CT-8N2E_TS	8.2 @ 50MHz	10,5	50 @ 1500MHz	5000	0.22	1000
1008CT-150E_TS	15 @ 50MHz	10,5	57 @ 500MHz	3000	0.22	1000
1008CT-180E_TS	18 @ 50MHz	10,5	50 @ 350MHz	2400	0.12	1000
1008CT-200E_TS	20 @ 50MHz	10,5	72 @ 500MHz	2400	0.33	1000
1008CT-220E_TS	22 @ 50MHz	10,5	72 @ 500MHz	2400	0.13	1000
1008CT-270E_TS	27 @ 50MHz	10,5	55 @ 350MHz	1600	0.13	850
1008CT-300E_TS	30 @ 50MHz	10,5	69 @ 500MHz	2400	0.38	600
1008CT-330E_TS	33 @ 50MHz	10,5	69 @ 500MHz	2200	0.38	600
1008CT-400E_TS	40 @ 50MHz	10,5	67 @ 500MHz	2000	0.43	600
1008CT-500E_TS	50 @ 50MHz	10,5,2	72 @ 500MHz	1900	0.48	600
1008CT-600E_TS	60 @ 50MHz	10,5,2	75 @ 500MHz	1800	0.52	600
1008CT-700E_TS	70 @ 50MHz	10,5,2	68 @ 500MHz	1700	0.55	510
1008CT-800E_TS	80 @ 50MHz	10,5,2	75 @ 500MHz	1400	0.56	510
1008CT-820E_TS	82 @ 50MHz	10,5,2	50 @ 500MHz	1100	0.56	500
1008CT-561E_TS	560 @ 25MHz	10,5,2	40 @ 100MHz	415	1.33	400
1008CT-102E_TS	1000 @ 25MHz	10,5,2	35 @ 50MHz	350	3.70	300

Working Temperature : -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	0.115	0.103	0.110	0.095	0.056	0.051	0.025	0.065	0.020	0.060	0.100	0.040	0.115	0.103
mm	2.92	2.60	2.79	2.40	1.40	1.30	0.65	1.65	0.51	1.52	2.54	1.02	2.92	2.60

Parts/Reel: 7" 2,000 PCS

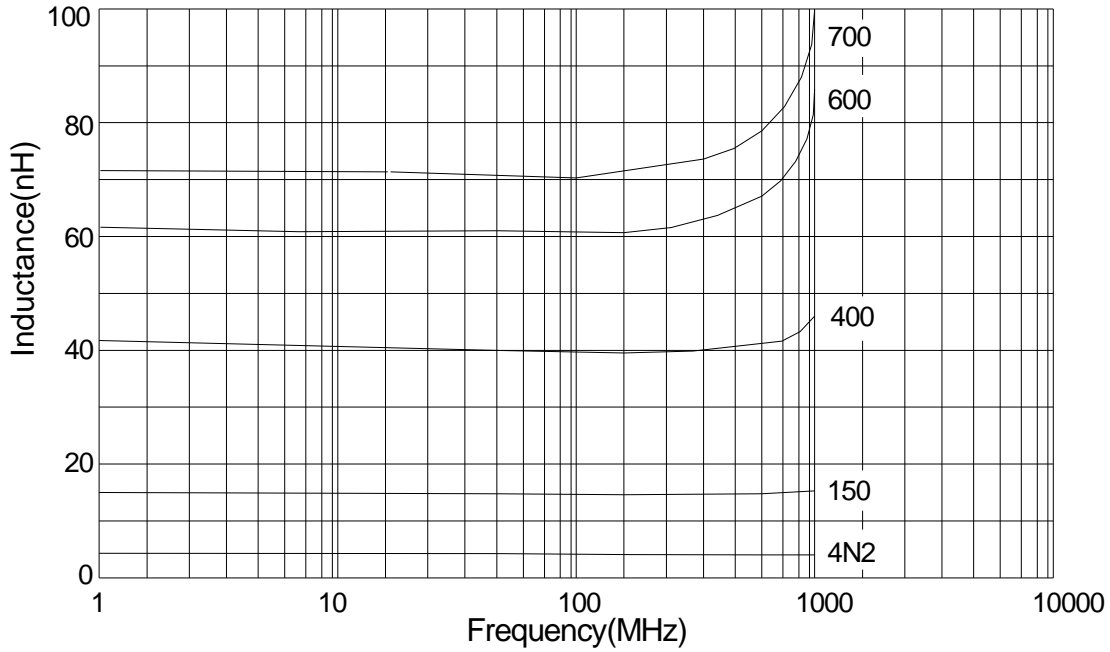
Tape Width: 8mm



WIRE-WOUND CHIP INDUCTOR – CERAMIC / Low Profile

1008CT Series Typical Electrical Characteristics

TYPICAL L vs FREQUENCY



TYPICAL Q vs FREQUENCY

