

1. Part Description

1.1 Part Numbering (Example)

(Ex.)

1008

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

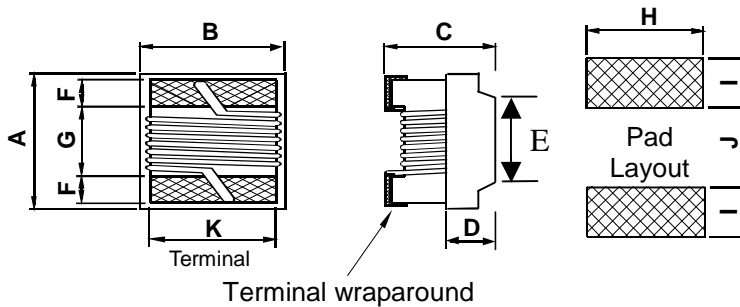
DELTA WIRE-WOUND CHIP INDUCTOR – CERAMIC / High Q

1008CQ (2520) Series (3.0 ~ 100nH)

Part Number	Inductance nH	Percent Tolerance	Q Min	SRF Min MHz	RDC Max Ohms	IDC Max mA
*1008CQ-3N0E_TS	3.0 @ 50MHz	10,5	70 @ 1500MHz	6000	0.04	1600
1008CQ-3N9E_TS	3.9 @ 50MHz	10,5	75 @ 1500MHz	6000	0.05	1600
1008CQ-4N1E_TS	4.1 @ 50MHz	10,5	75 @ 1500MHz	6000	0.05	1600
*1008CQ-7N8E_TS	7.8 @ 50MHz	10,5	75 @ 500MHz	3800	0.05	1600
1008CQ-100E_TS	10 @ 50MHz	10,5,2	60 @ 500MHz	3600	0.06	1600
1008CQ-120E_TS	12 @ 50MHz	10,5,2	70 @ 500MHz	2800	0.06	1500
1008CQ-180E_TS	18 @ 50MHz	10,5,2	62 @ 350MHz	2700	0.07	1400
1008CQ-220E_TS	22 @ 50MHz	10,5,2	62 @ 350MHz	2050	0.07	1400
1008CQ-330E_TS	33 @ 50MHz	10,5,2	75 @ 350MHz	1700	0.09	1300
1008CQ-390E_TS	39 @ 50MHz	10,5,2	75 @ 350MHz	1300	0.09	1300
1008CQ-470E_TS	47 @ 50MHz	10,5,2	75 @ 350MHz	1450	0.12	1200
1008CQ-560E_TS	56 @ 50MHz	10,5,2	75 @ 350MHz	1230	0.12	1200
1008CQ-680E_TS	68 @ 50MHz	10,5,2	80 @ 350MHz	1150	0.13	1100
1008CQ-820E_TS	82 @ 50MHz	10,5,2	80 @ 350MHz	1060	0.16	1100
1008CQ-101E_TS	100 @ 50MHz	10,5,2	62 @ 350MHz	820	0.16	1000

Working Temperature : -40 °C ~ 125 °C

Shape & Dimension



	A		B		C		D Ref.	E Ref	K	F	G	H	I	J
	Max.	Ref	Max.	Ref	Max.	Ref								
inch	0.115	0.103	0.110	0.095	0.080	0.072	0.025	0.065	0.080	0.020	0.060	0.100	0.040	0.050
mm	2.92	2.6	2.79	2.4	2.03	1.82	0.65	1.65	2.03	0.51	1.52	2.54	1.02	1.27

*Part is wound on a low profile (MAX 2.92*2.79*1.40).

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



WIRE-WOUND CHIP INDUCTOR – CERAMIC / High Q

1008CQ Series Typical Electrical Characteristics

