



RF CHIP INDUCTORS



ALTERNATIVE INDUCTANCE & Q vs. FREQUENCY, HIGH SIDE METALLIZATION

Part Number*	Inductance (nH)	Optional Tolerance	Q (MIN)	SRF (mHz MIN)	R _{DC} (Ω MAX)	I _{DC} (mA MAX)	Part Number*	Inductance (nH)	Optional Tolerance	Q (MIN)	SRF (mHz MIN)	R _{DC} (Ω MAX)	I _{DC} (mA MAX)
1008CQ Series							1008CQ Series (continued)						
PE-1008CQ3N0KTT	3.0 @ 50MHz	±5% (J)	70 @ 1500MHz	6000	0.04	1600	PE-1008CQ680KTT	68 @ 50MHz	±5% (J)	80 @ 350MHz	1150	0.13	1100
PE-1008CQ4N1KTT	4.1 @ 50MHz	±5% (J)	75 @ 1500MHz	6000	0.05	1600	PE-1008CQ820KTT	82 @ 50MHz	±5% (J)	80 @ 350MHz	1060	0.16	1100
PE-1008CQ7N8KTT	7.8 @ 50MHz	±5% (J)	75 @ 1500MHz	3800	0.05	1600	PE-1008CQ101KTT	100 @ 50MHz	±5% (J)	62 @ 350MHz	820	0.16	1000
PE-1008CQ100KTT	10 @ 50MHz	±5% (J)	60 @ 500MHz	3600	0.06	1600	PE-1008CQ121KTT	120 @ 50MHz	±5% (J)	62 @ 350MHz	800	0.17	1000
PE-1008CQ120KTT	12 @ 50MHz	±5% (J)	70 @ 500MHz	2800	0.06	1500	PE-1008CQ151KTT	150 @ 50MHz	±5% (J)	60 @ 350MHz	750	0.21	950
PE-1008CQ180KTT	18 @ 50MHz	±5% (J)	62 @ 350MHz	2700	0.07	1400	PE-1008CQ181KTT	180 @ 50MHz	±5% (J)	40 @ 350MHz	720	0.23	920
PE-1008CQ220KTT	22 @ 50MHz	±5% (J)	62 @ 350MHz	2050	0.07	1400	PE-1008CQ221KTT	220 @ 50MHz	±5% (J)	35 @ 350MHz	680	0.29	900
PE-1008CQ330KTT	33 @ 50MHz	±5% (J)	75 @ 350MHz	1700	0.09	1300	PE-1008CQ271KTT	270 @ 50MHz	±5% (J)	35 @ 350MHz	600	0.55	600
PE-1008CQ390KTT	39 @ 50MHz	±5% (J)	75 @ 350MHz	1300	0.09	1300	PE-1008CQ331KTT	330 @ 50MHz	±5% (J)	35 @ 100MHz	550	0.60	550
PE-1008CQ470KTT	47 @ 50MHz	±5% (J)	75 @ 350MHz	1450	0.12	1200	PE-1008CQ391KTT	390 @ 50MHz	±5% (J)	35 @ 350MHz	500	0.82	470
PE-1008CQ560KTT	56 @ 50MHz	±5% (J)	75 @ 350MHz	1230	0.12	1200							

Surface Mount

* NOTE: Referenced part is Standard Tolerance, 10% (K). To order parts with optional tolerances, see the Part Number Ordering Guide on this page.

PART NUMBER ORDERING GUIDE ¹

PE — 0805 CD

PACKAGE STYLE
(0402, 0603, 0805, 1008, 1210, 1206, or 1812)

CORE MATERIAL
C = Ceramic (Alumina)
CD = Standard Range
CM = High Side Metallization
CQ = High Q
F = Ferrite

121 K T T*

INDUCTANCE (nH)
Representative of the inductance value

TOLERANCE
F = ±1%
G = ±2%
J = ±5%
K = ±10%
M = ±20%

*** TERMINATION**
T = Tin or Gold plating
G = Gold plating only
S = Tin plating only

PACKAGING
T = Tape & Reel (7" or 13" reel)

SIZE	QTY/REEL
0402	3000 pieces
0603	2000 pieces
0805	2000 pieces
1008	1600 pieces
1210	2000 pieces
1206	3000 pieces
1812	1500 pieces

1. To order directly from Pulse, see the addresses and telephone numbers on the back cover of this catalog. Locate an authorized distributor or representative by going to the Pulse website.

GENERAL INFORMATION & SAMPLE KITS ¹

Inductor Series	Standard Size Format	Sold as Parts/Reel	Sample Kit Number	Data Sheet
0402CD	0402 (1005)	3000	PE-0402CDKIT-T	WC701
0603CD	0603 (1608)	2000	PE-0603CDKIT-T	WC701
0805CD	0805 (2012)	2000	PE-0805CDKIT-T	WC701
1008CD	1008 (2520)	1600	PE-1008CDKIT-T	WC701
1206CD	1206 (3216)	3000	PE-1206CDKIT-T	WC701
0805CM ²	0805 (2012)	2000	—	WC701
1008CM ²	1008 (2520)	1600	—	WC701
0805FT	0805 (2012)	2000	PE-0805FTKIT-T	WC701
1008FD	1008 (2520)	1600	PE-1008FDKIT-T	WC701
1210FT	1210 (3225)	2000	PE-1210FTKIT-T	WC701
1008CQ ²	1008 (2520)	1600	—	WC701
1812FD	1812 (4532)	1500	PE-1812FDKIT-T	WC701

1. When ordering, specify the adjacent sample kit number.

2. Sample kits for the 0805CM, 1008CM and 1008CQ are unavailable at this time.