

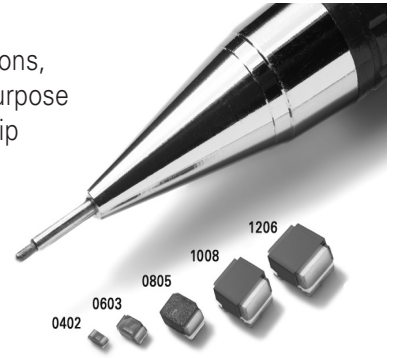


RF Chip Inductors

Miniature, Wirewound Components

Pulse RF chip inductors provide high-quality filtering in mobile phones, wireless applications, digital cameras, disk drives and audio equipment. The inductors are also used in multi-purpose RF modules for telecom, automotive and consumer electronic applications. These RF chip inductors use wirewound technology with ceramic or ferrite cores in industry standard sizes and footprints.

From the ultra-small, low-profile 0402 series, which helps high-density layouts, to the 1206 series with up to 68 μH inductance, Pulse is able to meet all your needs in a wide range of applications. These series are matched in performance to industry competition with full compatibility and operating frequency ranges.



COMPETITIVE CROSS REFERENCE

		Pulse Wirewound Inductors						
Type	Competition	0409CD	0603CD	0805CD	0805FT	1008CQ	1008CD	1206CD
Wirewound	Coilcraft	0402CS	0603CS	0805CS/HS/HT	—	1008HQ	1008CS/HT/CT	1206CS
	Murata	—	—	LOW1608A	—	—	LQN21A	—
	Taiyo Yuden	—	—	LB2012T	—	—	LEM_2520T	—
	TDK	—	—	—	NL2016	—	NLH2520	—

PART NUMBER ORDERING GUIDE

PE — 0805 CD 121 K T T*

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

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

INDUCTANCE (nH)
Representative of the inductance value

TOLERANCE
G = $\pm 2\%$
J = $\pm 5\%$
K = $\pm 10\%$
M = $\pm 20\%$

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

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

Size	0402	0603	0805	1008	1206
PCs/Reel	3000	2000	2000	1600	3000

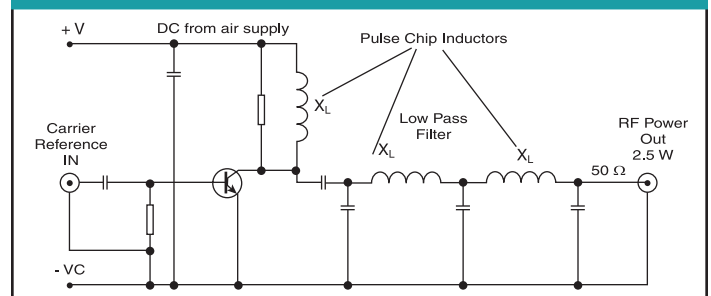
- To order directly from Pulse, there are local Pulse addresses and telephone numbers listed on the web at <http://www.pulseelectronics.com/index.php?415>.
- Find a Pulse authorized distributor or representative in your area on the Pulse website at: <http://www.pulseelectronics.com/index.php?415>.
- Part numbers shown in this section are RoHS compliant. No additional suffix or identifier is required.

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

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

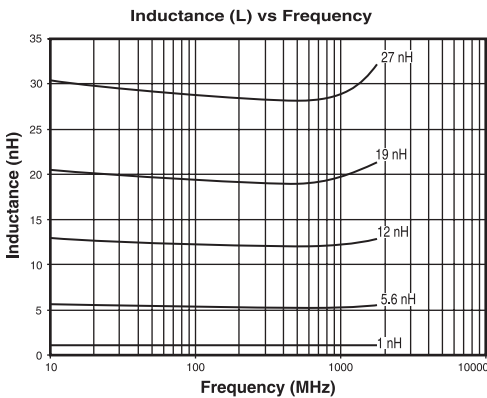
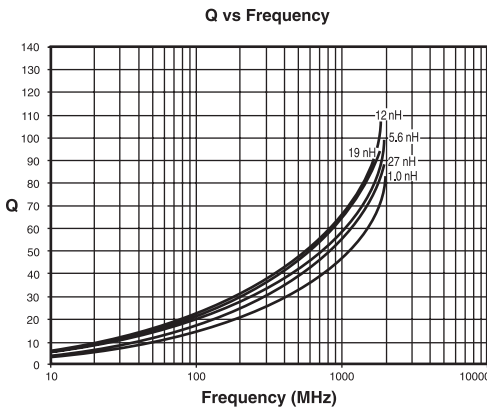
RF AMPLIFIER





RF Chip Inductors

ULTRA SMALL, ULTRA LOW PROFILE



0402CD Series

Part Number	Inductance (nH)	Optional Tolerance	Q (MIN)	SRF (MHz MIN)	Rdc (Ω MAX)	I _{dc} (mA MAX)
PE-0402CD1N0KTT ¹	1.0 @ 250 MHz	See footnote 1	13 @ 250 MHz	6000	0.045	1360
PE-0402CD1N2KTT ¹	1.2 @ 250 MHz	See footnote 1	13 @ 250 MHz	6000	0.060	1300
PE-0402CD1N8KTT ¹	1.8 @ 250 MHz	See footnote 1	16 @ 250 MHz	6000	0.070	1040
PE-0402CD1N9KTT	1.9 @ 250 MHz	—	16 @ 250 MHz	6000	0.070	1040
PE-0402CD2N0KTT	2.0 @ 250 MHz	—	16 @ 250 MHz	6000	0.070	1040
PE-0402CD2N2KTT	2.2 @ 250 MHz	—	18 @ 250 MHz	6000	0.070	960
PE-0402CD2N4KTT	2.4 @ 250 MHz	—	18 @ 250 MHz	6000	0.068	900
PE-0402CD2N7KTT	2.7 @ 250 MHz	—	18 @ 250 MHz	6000	0.120	860
PE-0402CD3N3KTT	3.3 @ 250 MHz	±5% (J)	20 @ 250 MHz	6000	0.066	840
PE-0402CD3N6KTT	3.6 @ 250 MHz	±5% (J)	20 @ 250 MHz	6000	0.066	840
PE-0402CD3N9KTT	3.9 @ 250 MHz	±5% (J)	20 @ 250 MHz	5800	0.066	840
PE-0402CD4N3KTT	4.3 @ 250 MHz	±5% (J)	20 @ 250 MHz	5800	0.091	640
PE-0402CD4N7KTT	4.7 @ 250 MHz	±5% (J)	20 @ 250 MHz	4775	0.130	640
PE-0402CD5N1KTT	5.1 @ 250 MHz	±5% (J)	23 @ 250 MHz	5800	0.083	800
PE-0402CD5N6KTT	5.6 @ 250 MHz	±5% (J)	23 @ 250 MHz	5800	0.083	760
PE-0402CD6N2KTT	6.2 @ 250 MHz	±5% (J)	23 @ 250 MHz	5800	0.083	760
PE-0402CD6N8KTT	6.8 @ 250 MHz	±5% (J)	20 @ 250 MHz	5800	0.083	680
PE-0402CD7N5KTT	7.5 @ 250 MHz	±5% (J)	25 @ 250 MHz	5800	0.104	680
PE-0402CD8N2KTT	8.2 @ 250 MHz	±5% (J)	25 @ 250 MHz	4400	0.104	680
PE-0402CD8N7KTT	8.7 @ 250 MHz	±5% (J)	21 @ 250 MHz	4100	0.200	680
PE-0402CD9N0KTT	9.0 @ 250 MHz	±5% (J)	25 @ 250 MHz	4160	0.104	680
PE-0402CD9N5KTT	9.5 @ 250 MHz	±5% (J), ±2% (G)	21 @ 250 MHz	4000	0.200	600
PE-0402CD100KTT	10 @ 250 MHz	±5% (J), ±2% (G)	21 @ 250 MHz	3900	0.195	480
PE-0402CD110KTT	11 @ 250 MHz	±5% (J), ±2% (G)	26 @ 250 MHz	3680	0.120	640
PE-0402CD120KTT	12 @ 250 MHz	±5% (J), ±2% (G)	26 @ 250 MHz	3600	0.120	640
PE-0402CD130KTT	13 @ 250 MHz	±5% (J), ±2% (G)	26 @ 250 MHz	3450	0.210	600
PE-0402CD150KTT	15 @ 250 MHz	±5% (J), ±2% (G)	26 @ 250 MHz	3280	0.172	560
PE-0402CD160KTT	16 @ 250 MHz	±5% (J), ±2% (G)	26 @ 250 MHz	3100	0.220	560
PE-0402CD180KTT	18 @ 250 MHz	±5% (J), ±2% (G)	26 @ 250 MHz	3100	0.230	520
PE-0402CD190KTT	19 @ 250 MHz	±5% (J), ±2% (G)	26 @ 250 MHz	3040	0.202	480
PE-0402CD200KTT	20 @ 250 MHz	±5% (J), ±2% (G)	26 @ 250 MHz	3000	0.250	480
PE-0402CD220KTT	22 @ 250 MHz	±5% (J), ±2% (G)	26 @ 250 MHz	2800	0.300	400
PE-0402CD230KTT	23 @ 250 MHz	±5% (J), ±2% (G)	26 @ 250 MHz	2720	0.214	400
PE-0402CD240KTT	24 @ 250 MHz	±5% (J), ±2% (G)	26 @ 250 MHz	2700	0.300	400
PE-0402CD270KTT	27 @ 250 MHz	±5% (J), ±2% (G)	26 @ 250 MHz	2480	0.298	400
PE-0402CD300KTT	30 @ 250 MHz	±5% (J), ±2% (G)	25 @ 250 MHz	2350	0.300	350
PE-0402CD330KTT	33 @ 250 MHz	±5% (J), ±2% (G)	24 @ 250 MHz	2350	0.350	350
PE-0402CD360KTT	36 @ 250 MHz	±5% (J), ±2% (G)	26 @ 250 MHz	2320	0.403	320
PE-0402CD390KTT	39 @ 250 MHz	±5% (J), ±2% (G)	25 @ 250 MHz	2100	0.550	320
PE-0402CD400KTT	40 @ 250 MHz	±5% (J), ±2% (G)	26 @ 250 MHz	2240	0.438	320
PE-0402CD430KTT	43 @ 250 MHz	±5% (J), ±2% (G)	25 @ 250 MHz	2030	0.810	240
PE-0402CD470KTT	47 @ 250 MHz	±5% (J), ±2% (G)	20 @ 250 MHz	2100	0.830	100
PE-0402CD510KTT	51 @ 250 MHz	±5% (J), ±2% (G)	25 @ 250 MHz	1750	0.820	100
PE-0402CD560KTT	56 @ 250 MHz	±5% (J), ±2% (G)	22 @ 250 MHz	1750	0.970	100
PE-0402CD680KTT	68 @ 250 MHz	±5% (J), ±2% (G)	18 @ 250 MHz	1840	0.970	100
PE-0402CD820KTT	82 @ 250 MHz	±5% (J), ±2% (G)	16 @ 250 MHz	1680	1.250	100
PE-0402CD101KTT	100 @ 250 MHz	±5% (J), ±2% (G)	16 @ 250 MHz	1620	2.600	100
PE-0402CD121KTT	120 @ 250 MHz	±5% (J)	14 @ 250 MHz	1520	2.700	90

1. ±0.3 nH (S), ±0.2 nH (B)

Surface Mount

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



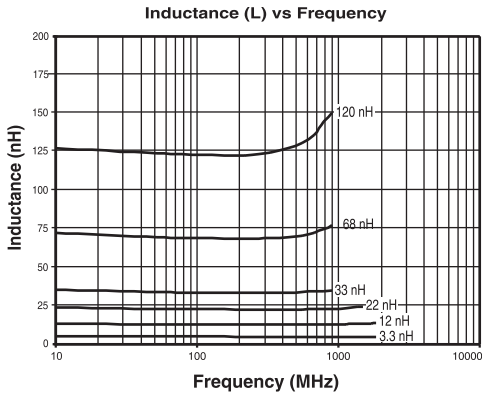
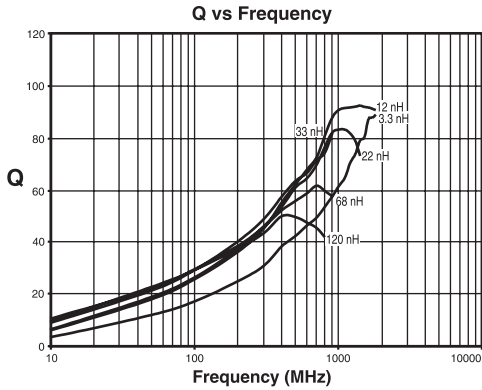
RF Chip Inductors

INDUSTRY STANDARD PERFORMANCE

Part Number	Inductance (nH)	Optional Tolerance	Q (MIN)	SRF (MHz MIN)	Rdc (Ω MAX)	Idc (mA MAX)
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0603CD Series

PE-0603CD1N6KTT	1.6 @ 250 MHz	±5% (J)	24 @ 250 MHz	>6000	0.030	700
PE-0603CD010KTT	1.7 @ 250 MHz	—	16 @ 250 MHz	>6000	0.050	700
PE-0603CD1N8KTT	1.8 @ 250 MHz	±5% (J)	16 @ 250 MHz	>6000	0.045	700
PE-0603CD2N2KTT	2.2 @ 250 MHz	±5% (J)	18 @ 250 MHz	>6000	0.110	700
PE-0603CD3N3KTT	3.3 @ 250 MHz	±5% (J)	35 @ 250 MHz	>6000	0.045	700
PE-0603CD3N6KTT	3.6 @ 250 MHz	±5% (J)	20 @ 250 MHz	>6000	0.070	700
PE-0603CD030KTT	3.9 @ 250 MHz	±5% (J)	20 @ 250 MHz	>6000	0.080	700
PE-0603CD4N3KTT	4.3 @ 250 MHz	±5% (J)	20 @ 250 MHz	>6000	0.102	700
PE-0603CD040KTT	4.55 @ 250 MHz	±5% (J)	20 @ 250 MHz	5800	0.106	700
PE-0603CD4N7KTT	4.7 @ 250 MHz	±5% (J), ±2% (G)	20 @ 250 MHz	5800	0.116	700
PE-0603CD5N1KTT	5.1 @ 250 MHz	±5% (J), ±2% (G)	20 @ 250 MHz	5700	0.108	700
PE-0603CD5N6KTT	5.6 @ 250 MHz	±5% (J), ±2% (G)	25 @ 250 MHz	5600	0.108	700
PE-0603CD6N2KTT	6.2 @ 250 MHz	±5% (J), ±2% (G)	25 @ 250 MHz	5800	0.110	700
PE-0603CD060KTT	6.68 @ 250 MHz	±5% (J), ±2% (G)	25 @ 250 MHz	5800	0.110	700
PE-0603CD6N8KTT	6.8 @ 250 MHz	±5% (J), ±2% (G)	27 @ 250 MHz	5800	0.110	700
PE-0603CD7N5KTT	7.5 @ 250 MHz	±5% (J), ±2% (G)	28 @ 250 MHz	4800	0.115	700
PE-0603CD080KTT	8.2 @ 250 MHz	±5% (J), ±2% (G)	30 @ 250 MHz	4600	0.120	700
PE-0603CD8N7KTT	8.7 @ 250 MHz	±5% (J), ±2% (G)	28 @ 250 MHz	4600	0.109	700
PE-0603CD9N5KTT	9.5 @ 250 MHz	±5% (J), ±2% (G)	28 @ 250 MHz	5400	0.135	700
PE-0603CD100KTT	10 @ 250 MHz	±5% (J), ±2% (G)	30 @ 250 MHz	4800	0.130	700
PE-0603CD110KTT	11 @ 250 MHz	±5% (J), ±2% (G)	30 @ 250 MHz	4000	0.086	700
PE-0603CD120KTT	12 @ 250 MHz	±5% (J), ±2% (G)	30 @ 250 MHz	4000	0.130	700
PE-0603CD130KTT	13 @ 250 MHz	±5% (J), ±2% (G)	38 @ 250 MHz	3600	0.106	700
PE-0603CD150KTT	15 @ 250 MHz	±5% (J), ±2% (G)	30 @ 250 MHz	4000	0.170	700
PE-0603CD160KTT	16 @ 250 MHz	±5% (J), ±2% (G)	35 @ 250 MHz	3300	0.170	700
PE-0603CD180KTT	18 @ 250 MHz	±5% (J), ±2% (G)	35 @ 250 MHz	3100	0.170	700
PE-0603CD220KTT	22 @ 250 MHz	±5% (J), ±2% (G)	35 @ 250 MHz	3000	0.190	700
PE-0603CD230KTT	23 @ 250 MHz	±5% (J), ±2% (G)	38 @ 250 MHz	2850	0.190	700
PE-0603CD240KTT	24 @ 250 MHz	±5% (J), ±2% (G)	35 @ 250 MHz	2650	0.200	600
PE-0603CD270KTT	27 @ 250 MHz	±5% (J), ±2% (G)	35 @ 250 MHz	2800	0.220	600
PE-0603CD300KTT	30 @ 250 MHz	±5% (J), ±2% (G)	37 @ 250 MHz	2250	0.144	600
PE-0603CD330KTT	33 @ 250 MHz	±5% (J), ±2% (G)	35 @ 250 MHz	2300	0.220	600
PE-0603CD360KTT	36 @ 250 MHz	±5% (J), ±2% (G)	37 @ 250 MHz	2080	0.250	600
PE-0603CD390KTT	39 @ 250 MHz	±5% (J), ±2% (G)	35 @ 250 MHz	2200	0.250	600
PE-0603CD430KTT	43 @ 250 MHz	±5% (J), ±2% (G)	35 @ 250 MHz	2000	0.280	600
PE-0603CD470KTT	47 @ 200 MHz	±5% (J), ±2% (G)	35 @ 200 MHz	2000	0.280	600
PE-0603CD510KTT	51 @ 200 MHz	±5% (J), ±2% (G)	35 @ 200 MHz	1900	0.270	600
PE-0603CD560KTT	56 @ 200 MHz	±5% (J), ±2% (G)	35 @ 200 MHz	1900	0.310	600
PE-0603CD680KTT	68 @ 200 MHz	±5% (J), ±2% (G)	35 @ 200 MHz	1700	0.340	600
PE-0603CD720KTT	72 @ 150 MHz	±5% (J), ±2% (G)	34 @ 150 MHz	1700	0.490	400
PE-0603CD820KTT	82 @ 150 MHz	±5% (J), ±2% (G)	34 @ 150 MHz	1700	0.540	400
PE-0603CD101KTT	98.5 @ 150 MHz	±5% (J), ±2% (G)	35 @ 150 MHz	1400	0.580	400
PE-0603CDR10KTT	100 @ 150 MHz	±5% (J), ±2% (G)	34 @ 150 MHz	1400	0.580	400
PE-0603CD111KTT	110 @ 150 MHz	±5% (J), ±2% (G)	33 @ 150 MHz	1300	0.610	300
PE-0603CDR12KTT	120 @ 150 MHz	±5% (J), ±2% (G)	32 @ 150 MHz	1300	0.650	300
PE-0603CD121KTT	122 @ 150 MHz	±5% (J), ±2% (G)	33 @ 150 MHz	1300	0.650	300
PE-0603CD151KTT	150 @ 150 MHz	±5% (J), ±2% (G)	28 @ 150 MHz	990	0.920	280
PE-0603CD181KTT	180 @ 100 MHz	±5% (J), ±2% (G)	25 @ 100 MHz	990	1.250	240
PE-0603CD201KTT	200 @ 100 MHz	±5% (J), ±2% (G)	25 @ 100 MHz	900	1.980	240
PE-0603CD211KTT	210 @ 100 MHz	±5% (J), ±2% (G)	27 @ 100 MHz	895	2.060	200
PE-0603CD221KTT	220 @ 100 MHz	±5% (J), ±2% (G)	25 @ 100 MHz	900	1.900	200
PE-0603CD251KTT	250 @ 100 MHz	±5% (J), ±2% (G)	25 @ 100 MHz	822	3.550	180
PE-0603CD271KTT	270 @ 100 MHz	±5% (J), ±2% (G)	24 @ 100 MHz	860	2.300	170
PE-0603CD331KTT	330 @ 100 MHz	±5% (J)	22 @ 100 MHz	500	2.300	150
PE-0603CD391KTT	390 @ 100 MHz	±5% (J)	20 @ 100 MHz	350	2.900	130

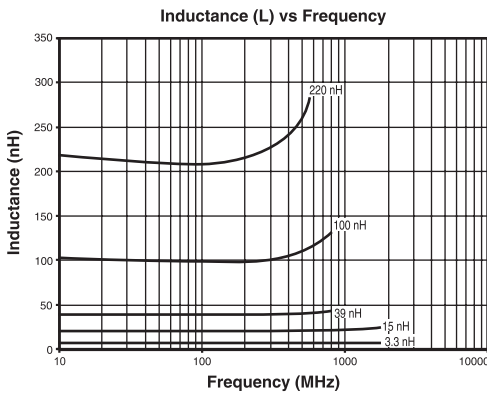
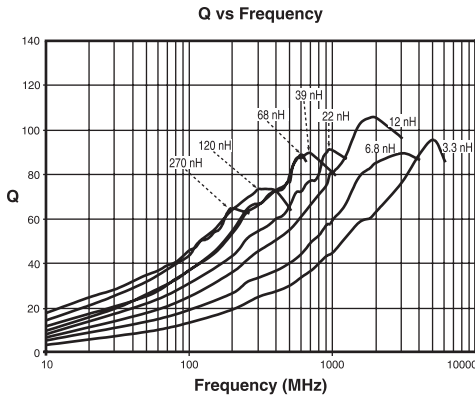


Surface Mount

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



RF Chip Inductors



INDUSTRY STANDARD PERFORMANCE

Part Number	Inductance (nH)	Optional Tolerance	Q (MIN)	SRF (MHz MIN)	Rdc (Ω MAX)	I _{dc} (mA MAX)
0805CD Series						
PE-0805CD2N8KTT	2.8 @ 250 MHz	±5% (J)	80 @ 1500 MHz	>6000	0.06	600
PE-0805CD3N0KTT	3.0 @ 250 MHz	±5% (J)	65 @ 1500 MHz	>6000	0.06	600
PE-0805CD030KTT	3.32 @ 250 MHz	±5% (J)	40 @ 1500 MHz	6000	0.08	600
PE-0805CD050KTT	5.6 @ 250 MHz	±5% (J)	50 @ 1500 MHz	5500	0.10	600
PE-0805CD060KTT	6.5 @ 250 MHz	—	50 @ 1000 MHz	5000	0.11	600
PE-0805CD7N5KTT	7.5 @ 250 MHz	±5% (J), ±2% (G)	50 @ 1000 MHz	4500	0.14	600
PE-0805CD080KTT	7.9 @ 250 MHz	±5% (J), ±2% (G)	50 @ 1000 MHz	4700	0.12	600
PE-0805CD100KTT	10.2 @ 250 MHz	±5% (J), ±2% (G)	50 @ 500 MHz	4100	0.14	600
PE-0805CD120KTT	11.9 @ 250 MHz	±5% (J), ±2% (G)	50 @ 500 MHz	4000	0.15	600
PE-0805CD150KTT	14.9 @ 250 MHz	±5% (J), ±2% (G)	50 @ 500 MHz	3400	0.17	600
PE-0805CD180KTT	17.95 @ 250 MHz	±5% (J), ±2% (G)	50 @ 500 MHz	3300	0.20	600
PE-0805CD220KTT	21.7 @ 250 MHz	±5% (J), ±2% (G)	55 @ 500 MHz	2600	0.22	500
PE-0805CD240KTT	24 @ 250 MHz	±5% (J), ±2% (G)	50 @ 500 MHz	2000	0.22	500
PE-0805CD270KTT	26.5 @ 250 MHz	±5% (J), ±2% (G)	55 @ 500 MHz	2500	0.25	500
PE-0805CD330KTT	32.75 @ 250 MHz	±5% (J), ±2% (G)	60 @ 500 MHz	2050	0.27	500
PE-0805CD360KTT	36 @ 250 MHz	±5% (J), ±2% (G)	55 @ 500 MHz	1700	0.27	500
PE-0805CD390KTT	38.5 @ 250 MHz	±5% (J), ±2% (G)	60 @ 500 MHz	2000	0.29	500
PE-0805CD430KTT	43 @ 200 MHz	±5% (J), ±2% (G)	60 @ 500 MHz	1650	0.34	500
PE-0805CD470KTT	46.6 @ 200 MHz	±5% (J), ±2% (G)	60 @ 500 MHz	1650	0.31	500
PE-0805CD560KTT	55.5 @ 200 MHz	±5% (J), ±2% (G)	60 @ 500 MHz	1550	0.34	500
PE-0805CD680KTT	67.8 @ 200 MHz	±5% (J), ±2% (G)	60 @ 500 MHz	1450	0.38	500
PE-0805CD820KTT	82.7 @ 150 MHz	±5% (J), ±2% (G)	60 @ 500 MHz	1300	0.42	400
PE-0805CD910KTT	91 @ 150 MHz	±5% (J), ±2% (G)	65 @ 500 MHz	1200	0.44	400
PE-0805CD101KTT	98.7 @ 150 MHz	±5% (J), ±2% (G)	65 @ 500 MHz	1200	0.46	400
PE-0805CD111KTT	110 @ 150 MHz	±5% (J), ±2% (G)	50 @ 250 MHz	1000	0.48	400
PE-0805CD121KTT	119.7 @ 150 MHz	±5% (J), ±2% (G)	50 @ 250 MHz	1100	0.51	400
PE-0805CD151KTT	149.4 @ 100 MHz	±5% (J), ±2% (G)	50 @ 250 MHz	920	0.56	400
PE-0805CD181KTT	179.6 @ 100 MHz	±5% (J), ±2% (G)	50 @ 250 MHz	870	0.64	400
PE-0805CD221KTT	217 @ 100 MHz	±5% (J), ±2% (G)	45 @ 250 MHz	850	0.70	400
PE-0805CD241KTT	240 @ 100 MHz	±5% (J), ±2% (G)	44 @ 250 MHz	690	1.00	350
PE-0805CD271KTT	269 @ 100 MHz	±5% (J), ±2% (G)	45 @ 250 MHz	650	1.00	350
PE-0805CD331KTT	331 @ 100 MHz	±5% (J), ±2% (G)	45 @ 250 MHz	600	1.40	310
PE-0805CD391KTT	386 @ 100 MHz	±5% (J), ±2% (G)	35 @ 250 MHz	560	1.50	290
PE-0805CD471KTT	477 @ 50 MHz	±5% (J), ±2% (G)	33 @ 100 MHz	375	1.76	250
PE-0805CD561KTT	545 @ 25 MHz	±5% (J), ±2% (G)	23 @ 50 MHz	340	1.90	230
PE-0805CD681KTT	674 @ 25 MHz	±5% (J), ±2% (G)	23 @ 50 MHz	188	2.20	190
PE-0805CD821KTT	783 @ 25 MHz	±5% (J), ±2% (G)	23 @ 50 MHz	215	2.35	180
PE-0805CD102KTT	1000 @ 25 MHz	±5% (J), ±2% (G)	20 @ 50 MHz	200	3.60	150
PE-0805CD122KTT	1200 @ 25 MHz	±5% (J), ±2% (G)	20 @ 50 MHz	200	4.10	120
PE-0805CD152KTT	1500 @ 25 MHz	±5% (J), ±2% (G)	20 @ 50 MHz	200	5.00	100

1. For other inductance values, in the 0805 size, see the 0805CM and the 0805 FT series.

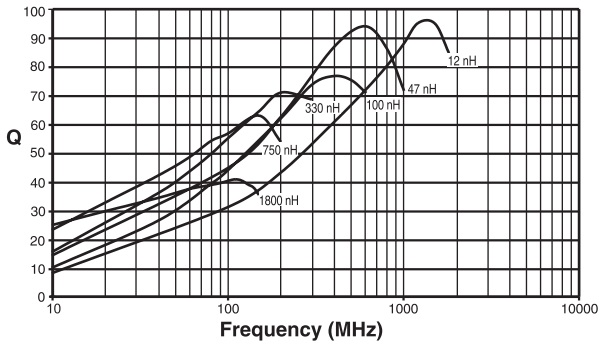
Surface Mount

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

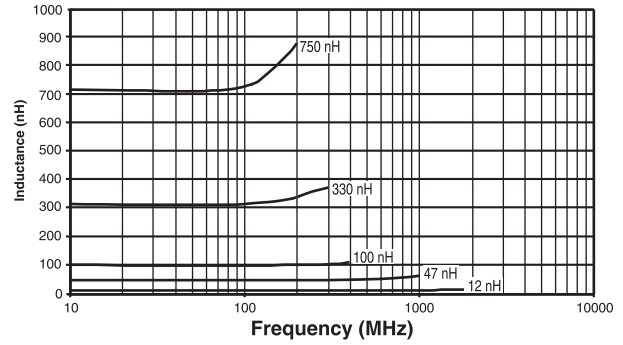


RF Chip Inductors

Q vs Frequency



Inductance (L) vs Frequency



INDUSTRY STANDARD PERFORMANCE (continued)

Part Number	Inductance (nH)	Optional Tolerance	Q (MIN)	SRF (MHz MIN)	Rdc (Ω MAX)	I _{dc} (mA MAX)
PE-1008CD090KTT	9.7 @ 50 MHz	±5% (J), ±2% (G)	50 @ 500 MHz	4100	0.09	1000
PE-1008CD100KTT	10 @ 50 MHz	±5% (J), ±2% (G)	50 @ 500 MHz	4100	0.09	1000
PE-1008CD120KTT	12 @ 50 MHz	±5% (J), ±2% (G)	50 @ 500 MHz	3300	0.09	1000
PE-1008CD140KTT	14.3 @ 50 MHz	±5% (J), ±2% (G)	50 @ 500 MHz	1850	0.10	1000
PE-1008CD150KTT	15 @ 50 MHz	±5% (J), ±2% (G)	50 @ 500 MHz	1850	0.10	1000
PE-1008CD180KTT	17.8 @ 50 MHz	±5% (J), ±2% (G)	50 @ 350 MHz	2500	0.11	1000
PE-1008CD210KTT	20.9 @ 50 MHz	±5% (J), ±2% (G)	55 @ 350 MHz	1800	0.12	1000
PE-1008CD220KTT	22 @ 50 MHz	±5% (J), ±2% (G)	55 @ 350 MHz	1800	0.12	1000
PE-1008CD260KTT	26.2 @ 50 MHz	±5% (J), ±2% (G)	55 @ 350 MHz	1500	0.13	1000
PE-1008CD270KTT	27 @ 50 MHz	±5% (J), ±2% (G)	55 @ 350 MHz	1500	0.11	1000
PE-1008CD320KTT	31.8 @ 50 MHz	±5% (J), ±2% (G)	60 @ 350 MHz	1600	0.16	1000
PE-1008CD330KTT	33 @ 50 MHz	±5% (J), ±2% (G)	60 @ 350 MHz	1600	0.14	1000
PE-1008CD380KTT	38.2 @ 50 MHz	±5% (J), ±2% (G)	60 @ 350 MHz	1400	0.15	1000
PE-1008CD390KTT	39 @ 50 MHz	±5% (J), ±2% (G)	60 @ 350 MHz	1400	0.12	1000
PE-1008CD450KTT	44.9 @ 50 MHz	±5% (J), ±2% (G)	65 @ 350 MHz	1200	0.16	1000
PE-1008CD470KTT	47 @ 50 MHz	±5% (J), ±2% (G)	65 @ 350 MHz	1200	0.08	1000
PE-1008CD540KTT	54 @ 50 MHz	±5% (J), ±2% (G)	65 @ 350 MHz	1150	0.18	1000
PE-1008CD560KTT	56 @ 50 MHz	±5% (J), ±2% (G)	65 @ 350 MHz	1150	0.12	1000
PE-1008CD650KTT	65 @ 50 MHz	±5% (J), ±2% (G)	65 @ 350 MHz	1100	0.20	1000
PE-1008CD680KTT	68 @ 50 MHz	±5% (J), ±2% (G)	65 @ 350 MHz	1100	0.07	1000
PE-1008CD790KTT	79 @ 50 MHz	±5% (J), ±2% (G)	65 @ 350 MHz	950	0.22	1000
PE-1008CD820KTT	82 @ 50 MHz	±5% (J), ±2% (G)	60 @ 350 MHz	950	0.14	1000
PE-1008CD960KTT	96.1 @ 25 MHz	±5% (J), ±2% (G)	60 @ 350 MHz	900	0.56	650
PE-1008CD101KTT	100 @ 25 MHz	±5% (J), ±2% (G)	60 @ 350 MHz	900	0.15	650
PE-1008CD121KTT	120 @ 25 MHz	±5% (J), ±2% (G)	60 @ 350 MHz	950	0.63	650
PE-1008CD141KTT	145.7 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	625	0.70	580
PE-1008CD151KTT	150 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	625	0.16	580
PE-1008CD161KTT	160 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	625	0.77	600
PE-1008CD171KTT	170.2 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	650	0.77	620
PE-1008CD181KTT	180 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	650	0.77	620
PE-1008CD211KTT	216 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	625	0.84	500
PE-1008CD221KTT	220 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	625	0.84	500
PE-1008CD261KTT	260.5 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	525	0.91	500
PE-1008CD271KTT	270 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	525	0.91	500
PE-1008CD311KTT	313.6 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	500	1.05	450
PE-1008CD331KTT	330 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	500	1.05	450

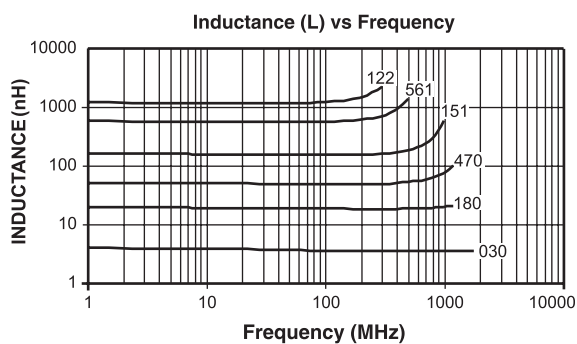
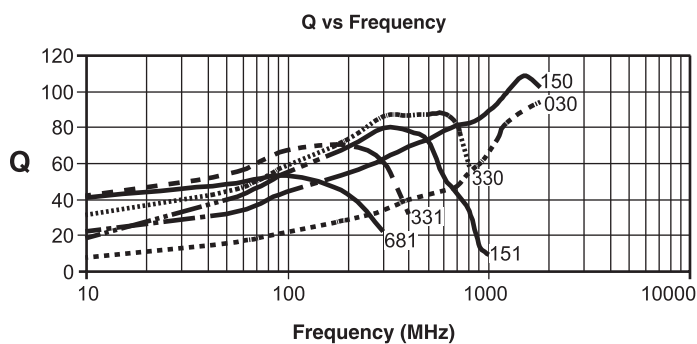
Part Number	Inductance (nH)	Optional Tolerance	Q (MIN)	SRF (MHz MIN)	Rdc (Ω MAX)	I _{dc} (mA MAX)
PE-1008CD361KTT	365 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	500	1.12	470
PE-1008CD391KTT	390 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	475	1.12	470
PE-1008CD451KTT	447 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	450	1.19	420
PE-1008CD471KTT	470 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	450	1.19	420
PE-1008CD541KTT	535 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	415	1.33	310
PE-1008CD561KTT	560 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	415	1.33	310
PE-1008CD591KTT	586 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	375	1.40	300
PE-1008CD621KTT	620 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	375	1.40	300
PE-1008CD641KTT	636 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	375	1.47	230
PE-1008CD681KTT	680 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	375	1.47	230
PE-1008CD711KTT	708.8 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	360	1.54	200
PE-1008CD751KTT	750 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	350	1.61	200
PE-1008CD771KTT	768 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	325	1.61	180
PE-1008CD821KTT	820 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	325	1.61	180
PE-1008CD851KTT	849.8 @ 25 MHz	±5% (J), ±2% (G)	35 @ 50 MHz	320	1.68	150
PE-1008CD911KTT	909.5 @ 25 MHz	±5% (J), ±2% (G)	35 @ 50 MHz	290	1.75	150
PE-1008CD102KTT	1000 @ 25 MHz	±5% (J), ±2% (G)	35 @ 50 MHz	260	1.90	120
PE-1008CD112KTT	1184 @ 25 MHz	±5% (J), ±2% (G)	35 @ 50 MHz	250	2.00	310
PE-1008CD122KTT	1200 @ 7.9 MHz	±5% (J), ±2% (G)	35 @ 50 MHz	250	2.00	310
PE-1008CD142KTT	1470 @ 7.9 MHz	±5% (J), ±2% (G)	28 @ 50 MHz	200	2.30	330
PE-1008CD152KTT	1500 @ 7.9 MHz	±5% (J), ±2% (G)	28 @ 50 MHz	200	2.30	330
PE-1008CD182KTT	1792.9 @ 7.9 MHz	±5% (J), ±2% (G)	28 @ 50 MHz	160	2.60	300
PE-1008CD212KTT	2154.5 @ 7.9 MHz	±5% (J), ±2% (G)	28 @ 50 MHz	80	2.80	280
PE-1008CD222KTT	2200 @ 7.9 MHz	±5% (J), ±2% (G)	28 @ 50 MHz	80	2.80	280
PE-1008CD262KTT	2646.8 @ 7.9 MHz	±5% (J), ±2% (G)	22 @ 25 MHz	90	3.20	290
PE-1008CD272KTT	2700 @ 7.9 MHz	±5% (J), ±2% (G)	22 @ 25 MHz	90	3.20	290
PE-1008CD322KTT	3207.6 @ 7.9 MHz	±5% (J), ±2% (G)	22 @ 25 MHz	40	3.40	290
PE-1008CD332KTT	3300 @ 7.9 MHz	±5% (J), ±2% (G)	22 @ 25 MHz	40	3.40	290
PE-1008CD372KTT	3758.2 @ 7.9 MHz	±5% (J), ±2% (G)	20 @ 25 MHz	35	3.60	260
PE-1008CD392KTT	3900 @ 7.9 MHz	±5% (J), ±2% (G)	20 @ 25 MHz	35	3.60	260
PE-1008CD452KTT	4526.2 @ 7.9 MHz	±5% (J), ±2% (G)	20 @ 25 MHz	25	4.00	260
PE-1008CD472KTT	4700 @ 7.9 MHz	±5% (J), ±2% (G)	20 @ 25 MHz	25	4.00	260
PE-1008CD562KTT	5600 @ 7.9 MHz	±5% (J)	20 @ 25 MHz	60	5.40	240
PE-1008CD682KTT	6800 @ 7.9 MHz	±5% (J), ±2% (G)	18 @ 7.9 MHz	40	4.90	200
PE-1008CD822KTT	8200 @ 7.9 MHz	±5% (J), ±2% (G)	18 @ 7.9 MHz	25	6.00	160

Surface Mount

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



RF Chip Inductors



INDUSTRY STANDARD PERFORMANCE (continued)

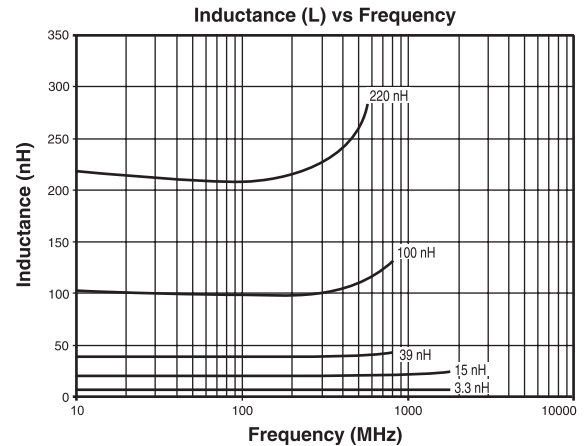
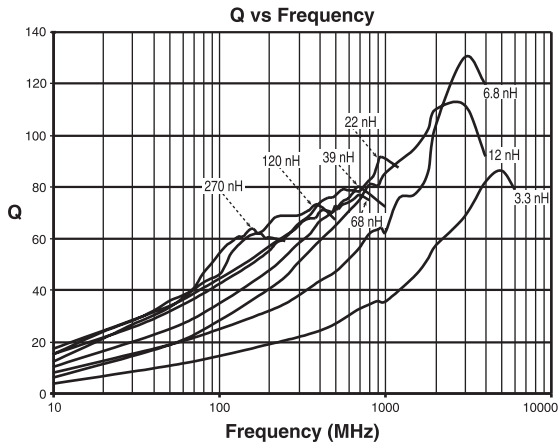
Part Number	Inductance (nH)	Optional Tolerance	Q (MIN)	SRF (MHz MIN)	R _{dc} (Ω MAX)	I _{dc} (mA MAX)
1206CD Series						
PE-1206CD030KTT	3.3 @ 100 MHz	±5% (J)	30 @ 300 MHz	6200	0.05	1000
PE-1206CD060KTT	6.8 @ 100 MHz	±5% (J)	30 @ 300 MHz	5500	0.07	1000
PE-1206CD100KTT	10 @ 100 MHz	±5% (J)	40 @ 300 MHz	4000	0.08	1000
PE-1206CD120KTT	12 @ 100 MHz	±5% (J)	40 @ 300 MHz	3200	0.08	1000
PE-1206CD150KTT	15 @ 100 MHz	±5% (J)	40 @ 300 MHz	3200	0.10	1000
PE-1206CD180KTT	18 @ 100 MHz	±5% (J)	50 @ 300 MHz	2800	0.10	1000
PE-1206CD220KTT	22 @ 100 MHz	±5% (J)	50 @ 300 MHz	2200	0.10	1000
PE-1206CD270KTT	27 @ 100 MHz	±5% (J)	50 @ 300 MHz	1800	0.11	1000
PE-1206CD330KTT	33 @ 100 MHz	±5% (J)	55 @ 300 MHz	1800	0.11	1000
PE-1206CD390KTT	39 @ 100 MHz	±5% (J)	55 @ 300 MHz	1800	0.12	1000
PE-1206CD470KTT	47 @ 100 MHz	±5% (J)	55 @ 300 MHz	1500	0.13	1000
PE-1206CD560KTT	56 @ 100 MHz	±5% (J)	55 @ 300 MHz	1450	0.14	1000
PE-1206CD680KTT	68 @ 100 MHz	±5% (J)	55 @ 300 MHz	1200	0.26	900
PE-1206CD820KTT	82 @ 100 MHz	±5% (J)	55 @ 300 MHz	1200	0.21	900
PE-1206CD101KTT	100 @ 100 MHz	±5% (J)	55 @ 300 MHz	1100	0.26	850
PE-1206CD121KTT	120 @ 100 MHz	±5% (J)	60 @ 300 MHz	1100	0.26	800
PE-1206CD151KTT	150 @ 100 MHz	±5% (J)	60 @ 300 MHz	950	0.31	750
PE-1206CD181KTT	180 @ 50 MHz	±5% (J)	60 @ 300 MHz	900	0.43	700
PE-1206CD221KTT	220 @ 50 MHz	±5% (J)	60 @ 300 MHz	760	0.50	670
PE-1206CD271KTT	270 @ 50 MHz	±5% (J)	55 @ 300 MHz	730	0.56	630
PE-1206CD331KTT	330 @ 50 MHz	±5% (J)	45 @ 150 MHz	650	0.62	590
PE-1206CD391KTT	390 @ 50 MHz	±5% (J)	45 @ 150 MHz	600	0.75	530
PE-1206CD471KTT	470 @ 50 MHz	±5% (J)	45 @ 150 MHz	550	1.30	490
PE-1206CD561KTT	560 @ 35 MHz	±5% (J)	45 @ 150 MHz	470	1.34	460
PE-1206CD621KTT	620 @ 35 MHz	±5% (J)	45 @ 150 MHz	470	1.58	430
PE-1206CD681KTT	680 @ 35 MHz	±5% (J)	45 @ 150 MHz	450	1.58	430
PE-1206CD751KTT	750 @ 35 MHz	±5% (J)	45 @ 150 MHz	440	2.25	400
PE-1206CD821KTT	820 @ 35 MHz	±5% (J)	45 @ 150 MHz	420	1.82	400
PE-1206CD911KTT	910 @ 35 MHz	±5% (J)	45 @ 150 MHz	410	2.95	400
PE-1206CD102KTT	1000 @ 35 MHz	±5% (J)	45 @ 150 MHz	400	2.80	320
PE-1206CD122KTT	1200 @ 35 MHz	±5% (J)	45 @ 150 MHz	380	3.20	300

Surface Mount

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



RF Chip Inductors



INDUSTRY STANDARD PERFORMANCE (continued)

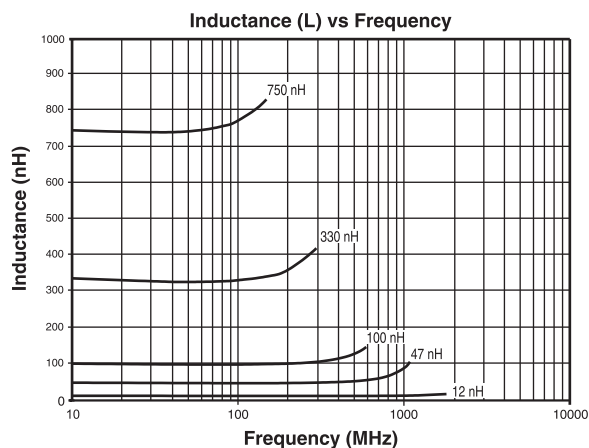
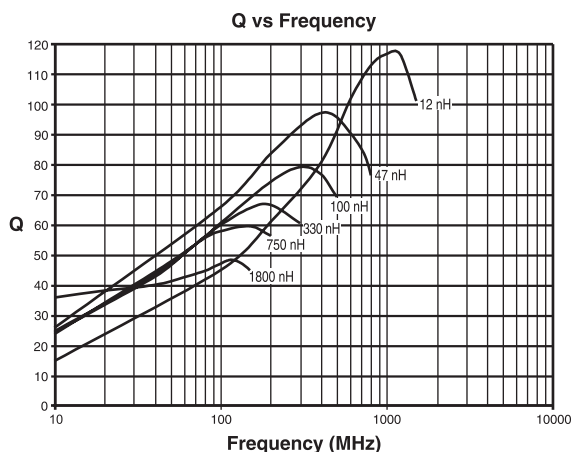
Part Number	Inductance (nH)	Optional Tolerance	Q (MIN)	SRF (MHz MIN)	R _{DC} (Ω MAX)	I _{DC} (mA MAX)
0805CM Series						
PE-0805CM030KTT	3.3 @ 250 MHz	±5% (J)	37 @ 1500 MHz	5000	0.08	600
PE-0805CM060KTT	6.8 @ 250 MHz	±5% (J), ±2% (G)	46 @ 1000 MHz	5000	0.15	600
PE-0805CM080KTT	8.2 @ 250 MHz	±5% (J), ±2% (G)	47 @ 1000 MHz	3900	0.13	600
PE-0805CM100KTT	10 @ 250 MHz	±5% (J), ±2% (G)	60 @ 500 MHz	3900	0.10	600
PE-0805CM120KTT	12 @ 250 MHz	±5% (J), ±2% (G)	50 @ 500 MHz	2900	0.13	600
PE-0805CM150KTT	15 @ 250 MHz	±5% (J), ±2% (G)	50 @ 500 MHz	2700	0.15	600
PE-0805CM180KTT	18 @ 250 MHz	±5% (J), ±2% (G)	50 @ 500 MHz	2600	0.13	600
PE-0805CM220KTT	22 @ 250 MHz	±5% (J), ±2% (G)	55 @ 500 MHz	2200	0.13	500
PE-0805CM270KTT	27 @ 250 MHz	±5% (J), ±2% (G)	55 @ 500 MHz	2000	0.23	500
PE-0805CM330KTT	33 @ 250 MHz	±5% (J), ±2% (G)	58 @ 500 MHz	1800	0.18	500
PE-0805CM390KTT	39 @ 250 MHz	±5% (J), ±2% (G)	60 @ 500 MHz	1600	0.23	500
PE-0805CM470KTT	47 @ 200 MHz	±5% (J), ±2% (G)	60 @ 500 MHz	1650	0.25	500
PE-0805CM560KTT	56 @ 200 MHz	±5% (J), ±2% (G)	60 @ 500 MHz	1300	0.16	500
PE-0805CM680KTT	68 @ 200 MHz	±5% (J), ±2% (G)	60 @ 500 MHz	1350	0.18	500
PE-0805CM820KTT	82 @ 150 MHz	±5% (J), ±2% (G)	60 @ 500 MHz	1300	0.36	400
PE-0805CM101KTT	100 @ 150 MHz	±5% (J), ±2% (G)	55 @ 500 MHz	1100	0.36	400
PE-0805CM121KTT	120 @ 150 MHz	±5% (J), ±2% (G)	45 @ 250 MHz	1100	0.56	350
PE-0805CM151KTT	150 @ 100 MHz	±5% (J), ±2% (G)	50 @ 250 MHz	900	0.56	350
PE-0805CM181KTT	180 @ 100 MHz	±5% (J), ±2% (G)	50 @ 250 MHz	875	0.69	300
PE-0805CM221KTT	220 @ 100 MHz	±5% (J), ±2% (G)	45 @ 250 MHz	800	0.85	300
PE-0805CM271KTT	270 @ 100 MHz	±5% (J), ±2% (G)	40 @ 100 MHz	800	0.90	300
PE-0805CM331KTT	330 @ 100 MHz	±5% (J), ±2% (G)	40 @ 100 MHz	775	1.28	300
PE-0805CM391KTT	390 @ 100 MHz	±5% (J), ±2% (G)	40 @ 100 MHz	725	1.70	300
PE-0805CM471KTT	470 @ 100 MHz	±5% (J), ±2% (G)	38 @ 100 MHz	600	3.25	240
PE-0805CM561KTT	560 @ 100 MHz	±5% (J), ±2% (G)	40 @ 100 MHz	600	3.10	240
PE-0805CM681KTT	680 @ 50 MHz	±5% (J), ±2% (G)	32 @ 50 MHz	550	3.50	240
PE-0805CM821KTT	820 @ 50 MHz	±5% (J), ±2% (G)	23 @ 50 MHz	215	2.35	200

Surface Mount

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



RF Chip Inductors



INDUSTRY STANDARD PERFORMANCE (continued)

Part Number	Inductance (nH)	Optional Tolerance	Q (MIN)	SRF (MHz MIN)	R _{dc} (Ω MAX)	I _{dc} (mA MAX)
1008CM Series						
PE-1008CM100KTT	10 @ 50 MHz	±5% (J), ±2% (G)	50 @ 500 MHz	4500	0.09	1000
PE-1008CM120KTT	12 @ 50MHz	±5% (J), ±2% (G)	65 @ 500 MHz	2300	0.09	1000
PE-1008CM150KTT	15 @ 50 MHz	±5% (J), ±2% (G)	55 @ 500 MHz	1850	0.19	1000
PE-1008CM180KTT	18 @ 50 MHz	±5% (J), ±2% (G)	55 @ 350 MHz	2200	0.06	1000
PE-1008CM220KTT	22 @ 50 MHz	±5% (J), ±2% (G)	55 @ 350 MHz	1800	0.09	1000
PE-1008CM270KTT	27 @ 50 MHz	±5% (J), ±2% (G)	60 @ 350 MHz	1500	0.11	1000
PE-1008CM330KTT	33 @ 50 MHz	±5% (J), ±2% (G)	60 @ 350 MHz	1800	0.18	800
PE-1008CM390KTT	39 @ 50 MHz	±5% (J), ±2% (G)	70 @ 350 MHz	1400	0.12	1000
PE-1008CM470KTT	47 @ 50 MHz	±5% (J), ±2% (G)	70 @ 350 MHz	1200	0.08	1000
PE-1008CM560KTT	56 @ 50 MHz	±5% (J), ±2% (G)	60 @ 350 MHz	1150	0.12	1000
PE-1008CM680KTT	68 @ 50 MHz	±5% (J), ±2% (G)	70 @ 350 MHz	1100	0.07	1000
PE-1008CM820KTT	82 @ 50 MHz	±5% (J), ±2% (G)	65 @ 350 MHz	950	0.14	950
PE-1008CM101KTT	100 @ 25 MHz	±5% (J), ±2% (G)	65 @ 350 MHz	900	0.15	650
PE-1008CM121KTT	120 @ 25 MHz	±5% (J), ±2% (G)	60 @ 350 MHz	825	0.22	650
PE-1008CM151KTT	150 @ 25 MHz	±5% (J), ±2% (G)	50 @ 100 MHz	625	0.16	580
PE-1008CM161KTT	160 @ 25 MHz	±5% (J), ±2% (G)	50 @ 100 MHz	625	0.25	600
PE-1008CM181KTT	180 @ 25 MHz	±5% (J), ±2% (G)	50 @ 100 MHz	650	0.25	600
PE-1008CM201KTT	200 @ 25 MHz	±5% (J), ±2% (G)	50 @ 100 MHz	630	0.24	580
PE-1008CM221KTT	220 @ 25 MHz	±5% (J), ±2% (G)	50 @ 100 MHz	625	0.28	500
PE-1008CM271KTT	270 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	525	0.50	500
PE-1008CM331KTT	330 @ 25 MHz	±5% (J), ±2% (G)	50 @ 100 MHz	500	0.80	450
PE-1008CM371KTT	370 @ 25 MHz	±5% (J), ±2% (G)	50 @ 100 MHz	490	0.80	430
PE-1008CM391KTT	390 @ 25 MHz	±5% (J), ±2% (G)	50 @ 100 MHz	475	0.75	425
PE-1008CM401KTT	400 @ 25 MHz	±5% (J), ±2% (G)	50 @ 100 MHz	470	0.75	420
PE-1008CM471KTT	470 @ 25 MHz	±5% (J), ±2% (G)	50 @ 100 MHz	450	0.70	350
PE-1008CM561KTT	560 @ 25 MHz	±5% (J), ±2% (G)	50 @ 100 MHz	425	0.80	350
PE-1008CM621KTT	620 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	375	1.90	200
PE-1008CM681KTT	680 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	375	2.30	200
PE-1008CM751KTT	750 @ 25 MHz	±5% (J), ±2% (G)	45 @ 100 MHz	350	1.60	200
PE-1008CM821KTT	820 @ 25 MHz	±5% (J), ±2% (G)	40 @ 100 MHz	325	3.30	200
PE-1008CM911KTT	910 @ 25 MHz	±5% (J), ±2% (G)	40 @ 50 MHz	300	2.10	200
PE-1008CM102KTT	1000 @ 25 MHz	±5% (J), ±2% (G)	40 @ 50 MHz	300	1.80	200
PE-1008CM122KTT	1200 @ 10 MHz	±5% (J), ±2% (G)	40 @ 50 MHz	250	3.00	200
PE-1008CM152KTT	1500 @ 10 MHz	±5% (J), ±2% (G)	40 @ 50 MHz	200	4.00	150
PE-1008CM182KTT	1800 @ 10 MHz	±5% (J), ±2% (G)	40 @ 50 MHz	150	5.09	150
PE-1008CM222KTT	2200 @ 10 MHz	±5% (J), ±2% (G)	30 @ 25 MHz	80	5.85	150
PE-1008CM272KTT	2700 @ 10 MHz	±5% (J), ±2% (G)	30 @ 25 MHz	90	7.70	150
PE-1008CM332KTT	3300 @ 10 MHz	±5% (J), ±2% (G)	25 @ 15 MHz	40	7.80	150
PE-1008CM392KTT	3900 @ 10 MHz	±5% (J), ±2% (G)	20 @ 15 MHz	35	8.30	135
PE-1008CM472KTT	4700 @ 10 MHz	±5% (J), ±2% (G)	16 @ 15 MHz	25	6.00	150

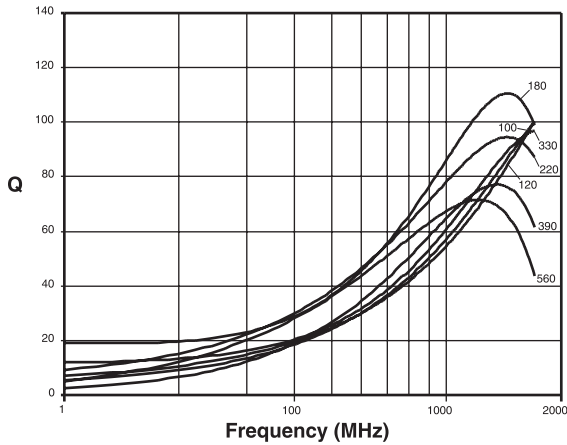
Surface Mount

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

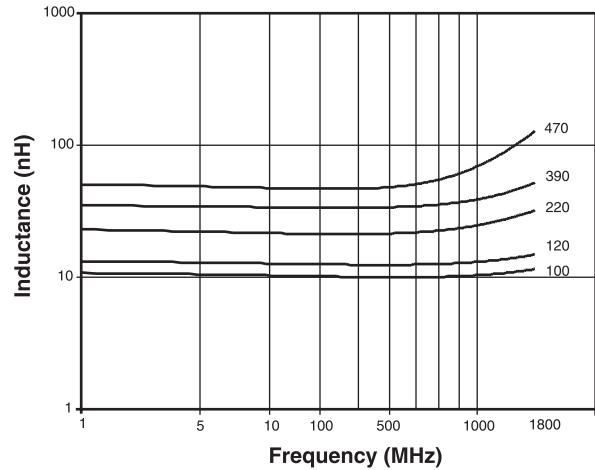


RF Chip Inductors

Q vs Frequency



Inductance (L) vs Frequency



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)
1008CQ Series						
PE-1008CQ4N1KTT	4.1 @ 50 MHz	±5% (J)	75 @ 1500 MHz	6000	0.05	1600
PE-1008CQ100KTT	10 @ 50 MHz	±5% (J)	60 @ 500 MHz	3600	0.06	1600
PE-1008CQ120KTT	12 @ 50 MHz	±5% (J)	70 @ 500 MHz	2800	0.06	1500
PE-1008CQ180KTT	18 @ 50 MHz	±5% (J)	62 @ 350 MHz	2700	0.07	1400
PE-1008CQ220KTT	22 @ 50 MHz	±5% (J)	62 @ 350 MHz	2050	0.07	1400
PE-1008CQ330KTT	33 @ 50 MHz	±5% (J)	75 @ 350 MHz	1700	0.09	1300
PE-1008CQ390KTT	39 @ 50 MHz	±5% (J)	75 @ 350 MHz	1300	0.09	1300
PE-1008CQ470KTT	47 @ 50 MHz	±5% (J)	75 @ 350 MHz	1450	0.12	1200
PE-1008CQ560KTT	56 @ 50 MHz	±5% (J)	75 @ 350 MHz	1230	0.12	1200
PE-1008CQ680KTT	68 @ 50 MHz	±5% (J)	80 @ 350 MHz	1150	0.13	1100
PE-1008CQ820KTT	82 @ 50 MHz	±5% (J)	80 @ 350 MHz	1060	0.16	1100
PE-1008CQ101KTT	100 @ 50 MHz	±5% (J)	62 @ 350 MHz	820	0.16	1000
PE-1008CQ121KTT	120 @ 50 MHz	±5% (J)	62 @ 350 MHz	800	0.17	1000
PE-1008CQ151KTT	150 @ 50 MHz	±5% (J)	60 @ 350 MHz	750	0.21	950
PE-1008CQ181KTT	180 @ 50 MHz	±5% (J)	40 @ 350 MHz	720	0.23	920
PE-1008CQ221KTT	220 @ 50 MHz	±5% (J)	35 @ 350 MHz	680	0.29	900
PE-1008CQ271K TT	270 @ 50 MHz	±5% (J)	35 @ 350 MHz	600	0.55	600
PE-1008CQ331KTT	330 @ 50 MHz	±5% (J)	35 @ 100 MHz	550	0.60	550
PE-1008CQ391KTT	390 @ 50 MHz	±5% (J)	35 @ 350 MHz	500	0.82	470

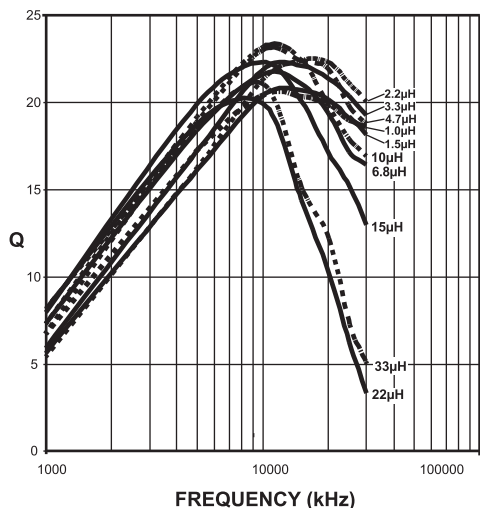
Surface Mount

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



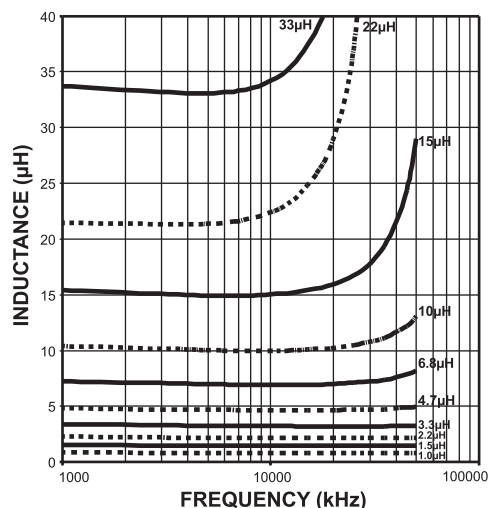
RF Chip Inductors

Q vs Frequency



- PE-0805FT102FTT --- PE-0805FT152JTT
- PE-0805FT222JTT --- PE-0805FT332JTT
- PE-0805FT472JTT --- PE-0805FT682JTT
- PE-0805FT103JTT --- PE-0805FT153JTT
- PE-0805FT223JTT --- PE-0805FT333JTT

Inductance (L) vs Frequency



- PE-0805FT102JTT --- PE-0805FT152JTT
- PE-0805FT222JTT --- PE-0805FT332JTT
- PE-0805FT472JTT --- PE-0805FT682JTT
- PE-0805FT103JTT --- PE-0805FT153JTT
- PE-0805FT223JTT --- PE-0805FT333JTT

FERRITE CORE

Part Number	Inductance (μH)	Optional Tolerance	Q (MIN)	SRF (MHz MIN)	R _{DC} (Ω MAX)	I _{DC} (mA MAX)
0805FT Series						
PE-0805FT102KTT	1.0 @ 7.96 MHz	±5% (J)	15 @ 7.96 MHz	63	1.20	245
PE-0805FT152KTT	1.5 @ 7.96 MHz	±5% (J)	15 @ 7.96 MHz	60	1.45	225
PE-0805FT222KTT	2.2 @ 7.96 MHz	±5% (J)	15 @ 7.96 MHz	58	1.80	200
PE-0805FT332KTT	3.3 @ 7.96 MHz	±5% (J)	15 @ 7.96 MHz	50	2.30	175
PE-0805FT472KTT	4.7 @ 7.96 MHz	±5% (J)	15 @ 7.96 MHz	43	2.80	140
PE-0805FT682KTT	6.8 @ 7.96 MHz	±5% (J)	15 @ 7.96 MHz	36	3.40	115
PE-0805FT103KTT	10 @ 2.52 MHz	±5% (J)	10 @ 2.52 MHz	30	4.70	98
PE-0805FT153KTT	15 @ 2.52 MHz	±5% (J)	10 @ 2.52 MHz	23	6.50	80
PE-0805FT223KTT	22 @ 2.52 MHz	±5% (J)	10 @ 2.52 MHz	20	8.00	68
PE-0805FT333KTT	33 @ 2.52 MHz	±5% (J)	10 @ 2.52 MHz	17	10.70	60
PE-0805FT473KTT	47 @ 2.52 MHz	±5% (J)	10 @ 2.52 MHz	14	13.80	55
PE-0805FT683KTT	68 @ 2.52 MHz	±5% (J)	8 @ 2.52 MHz	11	17.50	49

Surface Mount

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