RF CHIP INDUCTORS

RoHS COMPLIANT

Pulse® A TECHNITROL COMPANY

INDUSTRY STANDARD PERFORMANCE

0603CD Series

Part Number	Inductance (nH)	Optional Tolerance	Q (MIN)	SRF (MHz MIN)
PE-0603CD1N6KTT	1.6 @ 250MHz	±5% (J), ±2% (G)	24 @ 250MHz	>6000
PE-0603CD010KTT	1.7 @ 250MHz	±5% (J), ±2% (G)	16 @ 250MHz	>6000
PE-0603CD1N8KTT	1.8 @ 250MHz	±5% (J), ±2% (G)	16 @ 250MHz	>6000
PE-0603CD2N2KTT	2.2 @ 250MHz	±5% (J), ±2% (G)	18 @ 250MHz	>6000
PE-0603CD3N3KTT	3.3 @ 250MHz	±5% (J), ±2% (G)	35 @ 250MHz	>6000
PE-0603CD3N6KTT	3.6 @ 250MHz	±5% (J), ±2% (G)	20 @ 250MHz	>6000
PE-0603CD030KTT	3.9 @ 250MHz	±5% (J), ±2% (G)	20 @ 250MHz	>6000
PE-0603CD4N3KTT	4.3 @ 250MHz	±5% (J), ±2% (G)	20 @ 250MHz	>6000
PE-0603CD040KTT	4.55 @ 250MHz	±5% (J), ±2% (G)	20 @ 250MHz	5800
PE-0603CD4N7KTT	4.7 @ 250MHz	±5% (J), ±2% (G)	20 @ 250MHz	5800
PE-0603CD5N1KTT	5.1 @ 250MHz	±5% (J), ±2% (G)	20 @ 250MHz	5700
PE-0603CD5N6KTT	5.6 @ 250MHz	±5% (J), ±2% (G)	25 @ 250MHz	5600
PE-0603CD6N2KTT	6.2 @ 250MHz	±5% (J), ±2% (G)	25 @ 250MHz	5800
PE-0603CD060KTT	6.68 @ 250MHz	±5% (J), ±2% (G)	25 @ 250MHz	5800
PE-0603CD6N8KTT	6.8 @ 250MHz	±5% (J), ±2% (G)	27 @ 250MHz	5800
PE-0603CD7N5KTT	7.5 @ 250MHz	±5% (J), ±2% (G)	28 @ 250MHz	4800
PE-0603CD080KTT	8.2 @ 250MHz	±5% (J), ±2% (G)	30 @ 250MHz	4600
PE-0603CD8N7KTT	8.7 @ 250MHz	±5% (J), ±2% (G)	28 @ 250MHz	4600
PE-0603CD9N5KTT	9.5 @ 250MHz	±5% (J), ±2% (G)	28 @ 250MHz	5400
PE-0603CD100KTT	10 @ 250MHz	±5% (J), ±2% (G)	30 @ 250MHz	4800
PE-0603CD110KTT	11 @ 250MHz	±5% (J), ±2% (G)	30 @ 250MHz	4000
PE-0603CD120KTT	12 @ 250MHz	±5% (J), ±2% (G)	30 @ 250MHz	4000
PE-0603CD130KTT	13 @ 250MHz	±5% (J), ±2% (G)	38 @ 250MHz	3600
PE-0603CD150KTT	15 @ 250MHz	±5% (J), ±2% (G)	30 @ 250MHz	4000
PE-0603CD160KTT	16 @ 250MHz	±5% (J), ±2% (G)	35 @ 250MHz	3300
PE-0603CD180KTT	18 @ 250MHz	±5% (J), ±2% (G)	35 @ 250MHz	3100
PE-0603CD220KTT	22 @ 250MHz	±5% (J), ±2% (G)	35 @ 250MHz	3000
PE-0603CD230KTT	23 @ 250MHz	±5% (J), ±2% (G)	38 @ 250MHz	2850
PE-0603CD240KTT	24 @ 250MHz	±5% (J), ±2% (G)	35 @ 250MHz	2650
PE-0603CD270KTT	27 @ 250MHz	±5% (J), ±2% (G)	35 @ 250MHz	2800
PE-0603CD300KTT	30 @ 250MHz	±5% (J), ±2% (G)	37 @ 250MHz	2250
PE-0603CD330KTT	33 @ 250MHz	±5% (J), ±2% (G)	35 @ 250MHz	2300
PE-0603CD360KTT	36 @ 250MHz	±5% (J), ±2% (G)	37 @ 250MHz	2080
PE-0603CD390KTT	39 @ 250MHz	±5% (J), ±2% (G)	35 @ 250MHz	2200
PE-0603CD430KTT	43 @ 250MHz	±5% (J), ±2% (G)	35 @ 250MHz	2000
PE-0603CD470KTT	47 @ 200MHz	±5% (J), ±2% (G)	35 @ 200MHz	2000
PE-0603CD510KTT	51 @ 200MHz	±5% (J), ±2% (G)	35 @ 200MHz	1900
PE-0603CD560KTT	56 @ 200MHz	±5% (J), ±2% (G)	35 @ 200MHz	1900
PE-0603CD680KTT	68 @ 200MHz	±5% (J), ±2% (G)	35 @ 200MHz	1700
PE-0603CD720KTT	72 @ 150MHz	±5% (J), ±2% (G)	34 @ 150MHz	1700
PE-0603CD820KTT	82 @ 150MHz	±5% (J), ±2% (G)	34 @ 150MHz	1700
PE-0603CD101KTT	98.5 @ 150MHz	±5% (J), ±2% (G)	35 @ 150MHz	1400
PE-0603CDR10KTT	100 @ 150MHz	±5% (J), ±2% (G)	34 @ 150MHz	1400
PE-0603CD111KTT	110 @ 150MHz	±5% (J), ±2% (G)	33 @ 150MHz	1300
PE-0603CDR12KTT	120 @ 150MHz	±5% (J), ±2% (G)	32 @ 150MHz	1300
PE-0603CD121KTT	122 @ 150MHz	±5% (J), ±2% (G)	33 @ 150MHz	1300
PE-0603CD151KTT	150 @ 150MHz	±5% (J), ±2% (G)	28 @ 150MHz	990
PE-0603CD181KTT	180 @ 100MHz	±5% (J), ±2% (G)	25 @ 100MHz	990
PE-0603CD201KTT	200 @ 100MHz	±5% (J), ±2% (G)	25 @ 100MHz	900
PE-0603CD211KTT	210 @ 100MHz	±5% (J), ±2% (G)	27 @ 100MHz	895
PE-0603CD221KTT	220 @ 100MHz	±5% (J), ±2% (G)	25 @ 100MHz	900
PE-0603CD251KTT	250 @ 100MHz	±5% (J), ±2% (G)	25 @ 100MHz	822
PE-0603CD271KTT	270 @ 100MHz	±5% (J), ±2% (G)	24 @ 100MHz	860
PE-0603CD331KTT	330 @ 100MHz	±5% (J), ±2% (G)	22 @ 100MHz	500
PE-0603CD391KTT	390 @ 100MHz	±5% (J), ±2% (G)	20 @ 100MHz	350

0805CD Series[1]

Part Number	Inductance (nH)	Optional Tolerance	Q (MIN)	SRF (MHz MIN)
PE-0805CD2N8KTT	2.8 @ 250MHz	±5% (J), ±2% (G)	80 @ 1500MHz	>6000
PE-0805CD3N0KTT	3.0 @ 250MHz	±5% (J), ±2% (G)	65 @ 1500MHz	>6000
PE-0805CD030KTT	3.32 @ 250MHz	±5% (J), ±2% (G)	40 @ 1500MHz	6000
PE-0805CD050KTT	5.6 @ 250MHz	±5% (J), ±2% (G)	50 @ 1500MHz	5500
PE-0805CD060KTT	6.5 @ 250MHz	±5% (J), ±2% (G)	50 @ 1000MHz	5000
PE-0805CD7N5KTT	7.5 @ 250MHz	±5% (J), ±2% (G)	50 @ 1000MHz	4500
PE-0805CD080KTT	7.9 @ 250MHz	±5% (J), ±2% (G)	50 @ 1000MHz	4700
PE-0805CD100KTT	10.2 @ 250MHz	±5% (J), ±2% (G)	50 @ 500MHz	4100
PE-0805CD120KTT	11.9 @ 250MHz	±5% (J), ±2% (G)	50 @ 500MHz	4000

0805CD Series[1] *(continued)*

Part Number	Inductance (nH)	Optional Tolerance	Q (MIN)	SRF (MHz MIN)
PE-0805CD150KTT	14.9 @ 250MHz	±5% (J), ±2% (G)	50 @ 500MHz	3400
PE-0805CD180KTT	17.95 @ 250MHz	±5% (J), ±2% (G)	50 @ 500MHz	3300
PE-0805CD220KTT	21.7 @ 250MHz	±5% (J), ±2% (G)	55 @ 500MHz	2600
PE-0805CD240KTT	24 @ 250MHz	±5% (J), ±2% (G)	50 @ 500MHz	2000
PE-0805CD270KTT	26.5 @ 250MHz	±5% (J), ±2% (G)	55 @ 500MHz	2500
PE-0805CD330KTT	32.75 @ 250MHz	±5% (J), ±2% (G)	60 @ 500MHz	2050
PE-0805CD360KTT	36 @ 250MHz	±5% (J), ±2% (G)	55 @ 500MHz	1700
PE-0805CD390KTT	38.5 @ 250MHz	±5% (J), ±2% (G)	60 @ 500MHz	2000
PE-0805CD430KTT	43 @ 200MHz	±5% (J), ±2% (G)	60 @ 500MHz	1650
PE-0805CD470KTT	46.6 @ 200MHz	±5% (J), ±2% (G)	60 @ 500MHz	1650
PE-0805CD560KTT	55.5 @ 200MHz	±5% (J), ±2% (G)	60 @ 500MHz	1550
PE-0805CD680KTT	67.8 @ 200MHz	±5% (J), ±2% (G)	60 @ 500MHz	1450
PE-0805CD820KTT	82.7@ 150MHz	±5% (J), ±2% (G)	60 @ 500MHz	1300
PE-0805CD910KTT	91 @ 150MHz	±5% (J), ±2% (G)	65 @ 500MHz	1200
PE-0805CD101KTT	98.7 @ 150MHz	±5% (J), ±2% (G)	65 @ 500MHz	1200
PE-0805CD111KTT	110 @ 150MHz	±5% (J), ±2% (G)	50 @ 250MHz	1000
PE-0805CD121KTT	119.7 @ 150MHz	±5% (J), ±2% (G)	50 @ 250MHz	1100
PE-0805CD151KTT	149.4 @ 100MHz	±5% (J), ±2% (G)	50 @ 250MHz	920
PE-0805CD181KTT	179.6 @ 100MHz	±5% (J), ±2% (G)	50 @ 250MHz	870
PE-0805CD221KTT	217 @ 100MHz	±5% (J), ±2% (G)	45 @ 250MHz	850
PE-0805CD241KTT	240 @ 100MHz	±5% (J), ±2% (G)	44 @ 250MHz	690
PE-0805CD271KTT	269 @ 100MHz	±5% (J), ±2% (G)	45 @ 250MHz	650
PE-0805CD331KTT	331 @ 100MHz	±5% (J), ±2% (G)	45 @ 250MHz	600
PE-0805CD391KTT	386 @ 100MHz	±5% (J), ±2% (G)	35 @ 250MHz	560
PE-0805CD471KTT	477 @ 50MHz	±5% (J), ±2% (G)	33 @ 100MHz	375
PE-0805CD561KTT	545 @ 25MHz	±5% (J), ±2% (G)	23 @ 50MHz	340
PE-0805CD681KTT	674 @ 25MHz	±5% (J), ±2% (G)	23 @ 50MHz	188
PE-0805CD821KTT	783 @ 25MHz	±5% (J), ±2% (G)	23 @ 50MHz	215
PE-0805CD102KTT	1000 @ 25MHz	±5% (J), ±2% (G)	20 @ 50MHz	200
PE-0805CD122KTT	1200 @ 25MHz	±5% (J), ±2% (G)	20 @ 50MHz	200
PE-0805CD152KTT	1500 @ 25MHz	±5% (J), ±2% (G)	20 @ 50MHz	200

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

0805CM Series

Part Number	Inductance (nH)	Optional Tolerance	Q (MIN)	SRF (MHz MIN)
PE-0805CM030KTT	3.3 @ 250MHz	±5% (J), ±2% (G)	37 @ 1500MHz	5000
PE-0805CM060KTT	6.8 @ 250MHz	±5% (J), ±2% (G)	46 @ 1000MHz	5000
PE-0805CM080KTT	8.2 @ 250MHz	±5% (J), ±2% (G)	47 @ 1000MHz	3900
PE-0805CM100KTT	10 @ 250MHz	±5% (J), ±2% (G)	60 @ 500MHz	3900
PE-0805CM120KTT	12 @ 250MHz	±5% (J), ±2% (G)	50 @ 500MHz	2900
PE-0805CM150KTT	15 @ 250MHz	±5% (J), ±2% (G)	50 @ 500MHz	2700
PE-0805CM180KTT	18 @ 250MHz	±5% (J), ±2% (G)	50 @ 500MHz	2600
PE-0805CM220KTT	22 @ 250MHz	±5% (J), ±2% (G)	55 @ 500MHz	2200
PE-0805CM270KTT	27 @ 250MHz	±5% (J), ±2% (G)	55 @ 500MHz	2000
PE-0805CM330KTT	33 @ 250MHz	±5% (J), ±2% (G)	58 @ 500MHz	1800
PE-0805CM390KTT	39 @ 250MHz	±5% (J), ±2% (G)	60 @ 500MHz	1600
PE-0805CM470KTT	47 @ 200MHz	±5% (J), ±2% (G)	60 @ 500MHz	1650
PE-0805CM560KTT	56 @ 200MHz	±5% (J), ±2% (G)	60 @ 500MHz	1300
PE-0805CM680KTT	68 @ 200MHz	±5% (J), ±2% (G)	60 @ 500MHz	1350
PE-0805CM820KTT	82 @ 150MHz	±5% (J), ±2% (G)	60 @ 500MHz	1300
PE-0805CM101KTT	100 @ 150MHz	±5% (J), ±2% (G)	55 @ 500MHz	1100
PE-0805CM121KTT	120 @ 150MHz	±5% (J), ±2% (G)	45 @ 250MHz	1100
PE-0805CM151KTT	150 @ 100MHz	±5% (J), ±2% (G)	50 @ 250MHz	900
PE-0805CM181KTT	180 @ 100MHz	±5% (J), ±2% (G)	50 @ 250MHz	875
PE-0805CM221KTT	220 @ 100MHz	±5% (J), ±2% (G)	45 @ 250MHz	800
PE-0805CM271KTT	270 @ 100MHz	±5% (J), ±2% (G)	40 @ 100MHz	800
PE-0805CM331KTT	330 @ 100MHz	±5% (J), ±2% (G)	40 @ 100MHz	775
PE-0805CM391KTT	390 @ 100MHz	±5% (J), ±2% (G)	40 @ 100MHz	725
PE-0805CM471KTT	470 @ 100MHz	±5% (J), ±2% (G)	38 @ 100MHz	600
PE-0805CM561KTT	560 @ 100MHz	±5% (J), ±2% (G)	40 @ 100MHz	600
PE-0805CM681KTT	680 @ 50MHz	±5% (J), ±2% (G)	32 @ 50MHz	550
PE-0805CM821KTT	820 @ 50MHz	±5% (J), ±2% (G)	23 @ 50MHz	215

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.

INDUSTRY STANDARD PERFORMANCE *(continued)*

Part Number*	Inductance (nH)	Optional Tolerance	Q (MIN)	SRF (MHz MIN)
1008CD[1] Series				
PE-1008CD040KTT	4.0 @ 50MHz	±5% (J), ±2% (G)	50 @ 500MHz	6000
PE-1008CD080KTT	8.0 @ 50MHz	±5% (J), ±2% (G)	50 @ 500MHz	5000
PE-1008CD090KTT	9.7 @ 50MHz	±5% (J), ±2% (G)	50 @ 500MHz	4100
PE-1008CD100KTT	10 @ 50MHz	±5% (J), ±2% (G)	50 @ 500MHz	4100
PE-1008CD120KTT	12 @ 50MHz	±5% (J), ±2% (G)	50 @ 500MHz	3300
PE-1008CD140KTT	14.3 @ 50MHz	±5% (J), ±2% (G)	50 @ 500MHz	1850
PE-1008CD150KTT	15 @ 50MHz	±5% (J), ±2% (G)	50 @ 500MHz	1850
PE-1008CD180KTT	17.8 @ 50MHz	±5% (J), ±2% (G)	50 @ 350MHz	2500
PE-1008CD210KTT	20.9 @ 50MHz	±5% (J), ±2% (G)	55 @ 350MHz	1800
PE-1008CD220KTT	22 @ 50MHz	±5% (J), ±2% (G)	55 @ 350MHz	1800
PE-1008CD260KTT	26.2 @ 50MHz	±5% (J), ±2% (G)	55 @ 350MHz	1500
PE-1008CD270KTT	27 @ 50MHz	±5% (J), ±2% (G)	55 @ 350MHz	1500
PE-1008CD320KTT	31.8 @ 50MHz	±5% (J), ±2% (G)	60 @ 350MHz	1600
PE-1008CD330KTT	33 @ 50MHz	±5% (J), ±2% (G)	60 @ 350MHz	1600
PE-1008CD380KTT	38.2 @ 50MHz	±5% (J), ±2% (G)	60 @ 350MHz	1400
PE-1008CD390KTT	39 @ 50MHz	±5% (J), ±2% (G)	60 @ 350MHz	1400
PE-1008CD450KTT	44.9 @ 50MHz	±5% (J), ±2% (G)	65 @ 350MHz	1200
PE-1008CD470KTT	47 @ 50MHz	±5% (J), ±2% (G)	65 @ 350MHz	1200
PE-1008CD540KTT	54 @ 50MHz	±5% (J), ±2% (G)	65 @ 350MHz	1150
PE-1008CD560KTT	56 @ 50MHz	±5% (J), ±2% (G)	65 @ 350MHz	1150
PE-1008CD650KTT	65 @ 50MHz	±5% (J), ±2% (G)	65 @ 350MHz	1100
PE-1008CD680KTT	68 @ 50MHz	±5% (J), ±2% (G)	65 @ 350MHz	1100
PE-1008CD790KTT	79 @ 50MHz	±5% (J), ±2% (G)	65 @ 350MHz	950
PE-1008CD820KTT	82 @ 50MHz	±5% (J), ±2% (G)	60 @ 350MHz	950
PE-1008CD960KTT	96.1 @ 25MHz	±5% (J), ±2% (G)	60 @ 350MHz	900
PE-1008CD101KTT	100 @ 25MHz	±5% (J), ±2% (G)	60 @ 350MHz	900
PE-1008CD121KTT	120 @ 25MHz	±5% (J), ±2% (G)	60 @ 350MHz	950
PE-1008CD141KTT	145.7 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	625
PE-1008CD151KTT	150 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	625
PE-1008CD161KTT	160 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	625
PE-1008CD171KTT	170.2 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	650
PE-1008CD181KTT	180 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	650
PE-1008CD211KTT	216 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	625
PE-1008CD221KTT	220 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	625
PE-1008CD261KTT	260.5 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	525
PE-1008CD271KTT	270 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	525
PE-1008CD311KTT	313.6 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	500
PE-1008CD331KTT	330 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	500
PE-1008CD361KTT	365 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	500
PE-1008CD391KTT	390 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	475
PE-1008CD451KTT	447 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	450
PE-1008CD471KTT	470 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	450
PE-1008CD541KTT	535 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	415
PE-1008CD561KTT	560 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	415
PE-1008CD591KTT	586 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	375
PE-1008CD621KTT	620 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	375
PE-1008CD641KTT	636 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	375
PE-1008CD681KTT	680 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	375
PE-1008CD711KTT	708.8 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	360
PE-1008CD751KTT	750 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	350
PE-1008CD771KTT	768 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	325
PE-1008CD821KTT	820 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	325
PE-1008CD851KTT	849.8 @ 25MHz	±5% (J), ±2% (G)	35 @ 50MHz	320
PE-1008CD911KTT	909.5 @ 25MHz	±5% (J), ±2% (G)	35 @ 50MHz	290
PE-1008CD102KTT	1000 @ 25MHz	±5% (J), ±2% (G)	35 @ 50MHz	260
PE-1008CD112KTT	1184 @ 25MHz	±5% (J), ±2% (G)	35 @ 50MHz	250
PE-1008CD122KTT	1200 @ 7.9MHz	±5% (J), ±2% (G)	35 @ 50MHz	250
PE-1008CD142KTT	1470 @ 7.9MHz	±5% (J), ±2% (G)	28 @ 50MHz	200
PE-1008CD152KTT	1500 @ 7.9MHz	±5% (J), ±2% (G)	28 @ 50MHz	200
PE-1008CD182KTT	1792.9 @ 7.9MHz	±5% (J), ±2% (G)	28 @ 50MHz	160
PE-1008CD212KTT	2154.5 @ 7.9MHz	±5% (J), ±2% (G)	28 @ 50MHz	80
PE-1008CD222KTT	2200 @ 7.9MHz	±5% (J), ±2% (G)	28 @ 50MHz	80
PE-1008CD262KTT	2646.8 @ 7.9MHz	±5% (J), ±2% (G)	22 @ 25MHz	90
PE-1008CD272KTT	2700 @ 7.9MHz	±5% (J), ±2% (G)	22 @ 25MHz	90
PE-1008CD322KTT	3207.6 @ 7.9MHz	±5% (J), ±2% (G)	22 @ 25MHz	40
PE-1008CD332KTT	3300 @ 7.9MHz	±5% (J), ±2% (G)	22 @ 25MHz	40
PE-1008CD372KTT	3758.2 @ 7.9MHz	±5% (J), ±2% (G)	20 @ 25MHz	35
PE-1008CD392KTT	3900 @ 7.9MHz	±5% (J), ±2% (G)	20 @ 25MHz	35
PE-1008CD452KTT	4526.2 @ 7.9MHz	±5% (J), ±2% (G)	20 @ 25MHz	25
PE-1008CD472KTT	4700 @ 7.9MHz	±5% (J), ±2% (G)	20 @ 25MHz	25
PE-1008CD562KTT	5600 @ 7.9MHz	±5% (J), ±2% (G)	20 @ 25MHz	60
PE-1008CD682KTT	6800 @ 7.9MHz	±5% (J), ±2% (G)	18 @ 7.9MHz	40
PE-1008CD822KTT	8200 @ 7.9MHz	±5% (J), ±2% (G)	18 @ 7.9MHz	25

1. For other inductances values in 1008 size, see the 1008CM, 1008FD and1008CQ series.

1008CM Series				
PE-1008CM040KTT	4.7 @ 50MHz	±5% (J), ±2% (G)	60 @ 1500MHz	5500
PE-1008CM080KTT	8.2 @ 50MHz	±5% (J), ±2% (G)	60 @ 1500MHz	5500
PE-1008CM100KTT	10 @ 50MHz	±5% (J), ±2% (G)	50 @ 500MHz	4500
PE-1008CM120KTT	12 @ 50MHz	±5% (J), ±2% (G)	65 @ 500MHz	2300
PE-1008CM150KTT	15 @ 50MHz	±5% (J), ±2% (G)	55 @ 500MHz	1850
PE-1008CM180KTT	18 @ 50MHz	±5% (J), ±2% (G)	55 @ 350MHz	2200
PE-1008CM220KTT	22 @ 50MHz	±5% (J), ±2% (G)	55 @ 350MHz	1800
PE-1008CM270KTT	27 @ 50MHz	±5% (J), ±2% (G)	60 @ 350MHz	1500
PE-1008CM330KTT	33 @ 50MHz	±5% (J), ±2% (G)	60 @ 350MHz	1800
PE-1008CM390KTT	39 @ 50MHz	±5% (J), ±2% (G)	70 @ 350MHz	1400
PE-1008CM470KTT	47 @ 50MHz	±5% (J), ±2% (G)	70 @ 350MHz	1200
PE-1008CM560KTT	56 @ 50MHz	±5% (J), ±2% (G)	60 @ 350MHz	1150
PE-1008CM680KTT	68 @ 50MHz	±5% (J), ±2% (G)	70 @ 350MHz	1100
PE-1008CM820KTT	82 @ 50MHz	±5% (J), ±2% (G)	65 @ 350MHz	950
PE-1008CM101KTT	100 @ 25MHz	±5% (J), ±2% (G)	65 @ 350MHz	900
PE-1008CM121KTT	120 @ 25MHz	±5% (J), ±2% (G)	60 @ 350MHz	825
PE-1008CM151KTT	150 @ 25MHz	±5% (J), ±2% (G)	50 @ 100MHz	625
PE-1008CM161KTT	160 @ 25MHz	±5% (J), ±2% (G)	50 @ 100MHz	625
PE-1008CM181KTT	180 @ 25MHz	±5% (J), ±2% (G)	50 @ 100MHz	650
PE-1008CM201KTT	200 @ 25MHz	±5% (J), ±2% (G)	50 @ 100MHz	630
PE-1008CM221KTT	220 @ 25MHz	±5% (J), ±2% (G)	50 @ 100MHz	625
PE-1008CM271KTT	270 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	525
PE-1008CM331KTT	330 @ 25MHz	±5% (J), ±2% (G)	50 @ 100MHz	500
PE-1008CM371KTT	370 @ 25MHz	±5% (J), ±2% (G)	50 @ 100MHz	490
PE-1008CM391KTT	390 @ 25MHz	±5% (J), ±2% (G)	50 @ 100MHz	475
PE-1008CM401KTT	400 @ 25MHz	±5% (J), ±2% (G)	50 @ 100MHz	470
PE-1008CM471KTT	470 @ 25MHz	±5% (J), ±2% (G)	50 @ 100MHz	450
PE-1008CM561KTT	560 @ 25MHz	±5% (J), ±2% (G)	50 @ 100MHz	425
PE-1008CM621KTT	620 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	375
PE-1008CM681KTT	680 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	375
PE-1008CM751KTT	750 @ 25MHz	±5% (J), ±2% (G)	45 @ 100MHz	350
PE-1008CM821KTT	820 @ 25MHz	±5% (J), ±2% (G)	40 @ 100MHz	325
PE-1008CM911KTT	910 @ 25MHz	±5% (J), ±2% (G)	40 @ 50MHz	300
PE-1008CM102KTT	1000 @ 25MHz	±5% (J), ±2% (G)	40 @ 50MHz	300
PE-1008CM122KTT	1200 @ 10MHz	±5% (J), ±2% (G)	40 @ 50MHz	250
PE-1008CM152KTT	1500 @ 10MHz	±5% (J), ±2% (G)	40 @ 50MHz	200
PE-1008CM182KTT	1800 @ 10MHz	±5% (J), ±2% (G)	40 @ 50MHz	150
PE-1008CM222KTT	2200 @ 10MHz	±5% (J), ±2% (G)	30 @ 25MHz	80
PE-1008CM272KTT	2700 @ 10MHz	±5% (J), ±2% (G)	30 @ 25MHz	90
PE-1008CM332KTT	3300 @ 10MHz	±5% (J), ±2% (G)	25 @ 15MHz	40
PE-1008CM392KTT	3900 @ 10MHz	±5% (J), ±2% (G)	20 @ 15MHz	35
PE-1008CM472KTT	4700 @ 10MHz	±5% (J), ±2% (G)	16 @ 15MHz	25

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

RoHS COMPLIANT

Pulse® A TECHNITROL COMPANY

INDUSTRY STANDARD PERFORMANCE *(continued)*

Part Number*	Inductance (nH)	Optional Tolerance	Q (MIN)	SRF (MHz MIN)
1206CD Series				
PE-1206CD030KTT	3.3 @ 100MHz	±5% (J)	30 @ 300MHz	6200
PE-1206CD060KTT	6.8 @ 100MHz	±5% (J)	30 @ 300MHz	5500
PE-1206CD100KTT	10 @ 100MHz	±5% (J)	40 @ 300MHz	4000
PE-1206CD120KTT	12 @ 100MHz	±5% (J)	40 @ 300MHz	3200
PE-1206CD150KTT	15 @ 100MHz	±5% (J)	40 @ 300MHz	3200
PE-1206CD180KTT	18 @ 100MHz	±5% (J)	50 @ 300MHz	2800
PE-1206CD220KTT	22 @ 100MHz	±5% (J)	50 @ 300MHz	2200
PE-1206CD270KTT	27 @ 100MHz	±5% (J)	50 @ 300MHz	1800
PE-1206CD330KTT	33 @ 100MHz	±5% (J)	55 @ 300MHz	1800
PE-1206CD390KTT	39 @ 100MHz	±5% (J)	55 @ 300MHz	1800
PE-1206CD470KTT	47 @ 100MHz	±5% (J)	55 @ 300MHz	1500
PE-1206CD560KTT	56 @ 100MHz	±5% (J)	55 @ 300MHz	1450
PE-1206CD680KTT	68 @ 100MHz	±5% (J)	55 @ 300MHz	1200
PE-1206CD820KTT	82 @ 100MHz	±5% (J)	55 @ 300MHz	1200
PE-1206CD101KTT	100 @ 100MHz	±5% (J)	55 @ 300MHz	1100
PE-1206CD121KTT	120 @ 100MHz	±5% (J)	60 @ 300MHz	1100
PE-1206CD151KTT	150 @ 100MHz	±5% (J)	60 @ 300MHz	950
PE-1206CD181KTT	180 @ 50MHz	±5% (J)	60 @ 300MHz	900
PE-1206CD221KTT	220 @ 50MHz	±5% (J)	60 @ 300MHz	760
PE-1206CD271KTT	270 @ 50MHz	±5% (J)	55 @ 300MHz	730
PE-1206CD331KTT	330 @ 50MHz	±5% (J)	45 @ 150MHz	650
PE-1206CD391KTT	390 @ 50MHz	±5% (J)	45 @ 150MHz	600
PE-1206CD471KTT	470 @ 50MHz	±5% (J)	45 @ 150MHz	550
PE-1206CD561KTT	560 @ 35MHz	±5% (J)	45 @ 150MHz	470
PE-1206CD621KTT	620 @ 35MHz	±5% (J)	45 @ 150MHz	470
PE-1206CD681KTT	680 @ 35MHz	±5% (J)	45 @ 150MHz	450
PE-1206CD751KTT	750 @ 35MHz	±5% (J)	45 @ 150MHz	440
PE-1206CD821KTT	820 @ 35MHz	±5% (J)	45 @ 150MHz	420
PE-1206CD911KTT	910 @ 35MHz	±5% (J)	45 @ 150MHz	410
PE-1206CD102KTT	1000 @ 35MHz	±5% (J)	45 @ 150MHz	400
PE-1206CD122KTT	1200 @ 35MHz	±5% (J)	45 @ 150MHz	380

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 @ 7.96MHz	±5% (J)	15 @ 7.96MHz	63	1.20	245
PE-0805FT152KTT	1.5 @ 7.96MHz	±5% (J)	15 @ 7.96MHz	60	1.45	225
PE-0805FT222KTT	2.2 @ 7.96MHz	±5% (J)	15 @ 7.96MHz	58	1.80	200
PE-0805FT332KTT	3.3 @ 7.96MHz	±5% (J)	15 @ 7.96MHz	50	2.30	175
PE-0805FT472KTT	4.7 @ 7.96MHz	±5% (J)	15 @ 7.96MHz	43	2.80	140
PE-0805FT682KTT	6.8 @ 7.96MHz	±5% (J)	15 @ 7.96MHz	36	3.40	115
PE-0805FT103KTT	10 @ 2.52MHz	±5% (J)	10 @ 2.52MHz	30	4.70	98
PE-0805FT153KTT	15 @ 2.52MHz	±5% (J)	10 @ 2.52MHz	23	6.50	80
PE-0805FT223KTT	22 @ 2.52MHz	±5% (J)	10 @ 2.52MHz	20	8.00	68
PE-0805FT333KTT	33 @ 2.52MHz	±5% (J)	10 @ 2.52MHz	17	10.70	60
PE-0805FT473KTT	47 @ 2.52MHz	±5% (J)	10 @ 2.52MHz	14	13.80	55
PE-0805FT683KTT	68 @ 2.52MHz	±5% (J)	8 @ 2.52MHz	11	17.50	49
1008FD Series						
PE-1008FD151KTT	0.15 @ 25MHz	±5% (J)	45 @ 100MHz	500	0.35	750
PE-1008FD181KTT	0.18 @ 25MHz	±5% (J)	45 @ 100MHz	500	0.40	750
PE-1008FD331KTT	0.33 @ 25MHz	±5% (J)	45 @ 100MHz	500	0.50	700
PE-1008FD122KTT	1.20 @ 7.9MHz	±5% (J)	48 @ 50MHz	210	0.68	650
PE-1008FD152KTT	1.50 @ 7.9MHz	±5% (J)	41 @ 50MHz	190	0.76	630
PE-1008FD182KTT	1.80 @ 7.9MHz	±5% (J)	39 @ 50MHz	170	0.84	600
PE-1008FD222KTT	2.20 @ 7.9MHz	±5% (J)	34 @ 50MHz	150	1.10	520
PE-1008FD272KTT	2.70 @ 7.9MHz	±5% (J)	34 @ 50MHz	135	1.28	490
PE-1008FD332KTT	3.30 @ 7.9MHz	±5% (J)	32 @ 50MHz	120	1.46	450
PE-1008FD392KTT	3.90 @ 7.9MHz	±5% (J)	32 @ 7.9MHz	102	1.56	420
PE-1008FD472KTT	4.70 @ 7.9MHz	±5% (J)	31 @ 7.9MHz	90	1.68	400
PE-1008FD562KTT	5.60 @ 7.9MHz	±5% (J)	31 @ 7.9MHz	80	1.82	380
PE-1008FD682KTT	6.80 @ 7.9MHz	±5% (J)	31 @ 7.9MHz	60	2.00	360
PE-1008FD822KTT	8.20 @ 7.9MHz	±5% (J)	23 @ 7.9MHz	65	2.65	330
PE-1008FD103KTT	10.00 @ 7.9MHz	±5% (J)	31 @ 7.9MHz	60	2.95	300

FERRITE CORE *(continued)*

Part Number*	Inductance (µH)	Optional Tolerance	Q (MIN)	SRF (MHz MIN)	R_{DC} (Ω MAX)	I_{DC} (mA MAX)
1210FT Series						
PE-1210FT100KTT	0.010 @ 100MHz	±5% (J)	15 @ 100MHz	2500	0.13	450
PE-1210FT120KTT	0.012 @ 100MHz	±5% (J)	17 @ 100MHz	2300	0.14	450
PE-1210FT150KTT	0.015 @ 100MHz	±5% (J)	19 @ 100MHz	2100	0.16	450
PE-1210FT180KTT	0.018 @ 100MHz	±5% (J)	21 @ 100MHz	1900	0.18	450
PE-1210FT220KTT	0.022 @ 100MHz	±5% (J)	23 @ 100MHz	1700	0.20	450
PE-1210FT270KTT	0.027 @ 100MHz	±5% (J)	23 @ 100MHz	1500	0.22	450
PE-1210FT330KTT	0.033 @ 100MHz	±5% (J)	25 @ 100MHz	1400	0.24	450
PE-1210FT390KTT	0.039 @ 100MHz	±5% (J)	25 @ 100MHz	1300	0.27	450
PE-1210FT470KTT	0.047 @ 100MHz	±5% (J)	26 @ 100MHz	1200	0.30	450
PE-1210FT560KTT	0.056 @ 100MHz	±5% (J)	26 @ 100MHz	1100	0.33	450
PE-1210FT680KTT	0.068 @ 100MHz	±5% (J)	27 @ 100MHz	1000	0.36	450
PE-1210FT820KTT	0.082 @ 100MHz	±5% (J)	27 @ 100MHz	900	0.40	450
PE-1210FT101KTT	0.100 @ 100MHz	±5% (J)	28 @ 100MHz	700	0.44	450
PE-1210FT121KTT	0.120 @ 25.2MHz	±5% (J)	30 @ 25.2MHz	500	0.22	450
PE-1210FT151KTT	0.150 @ 25.2MHz	±5% (J)	30 @ 25.2MHz	450	0.25	450
PE-1210FT181KTT	0.180 @ 25.2MHz	±5% (J)	30 @ 25.2MHz	400	0.28	450
PE-1210FT221KTT	0.220 @ 25.2MHz	±5% (J)	30 @ 25.2MHz	350	0.32	450
PE-1210FT271KTT	0.270 @ 25.2MHz	±5% (J)	30 @ 25.2MHz	320	0.36	450
PE-1210FT331KTT	0.330 @ 25.2MHz	±5% (J)	30 @ 25.2MHz	300	0.40	450
PE-1210FT391KTT	0.390 @ 25.2MHz	±5% (J)	30 @ 25.2MHz	250	0.45	450
PE-1210FT471KTT	0.470 @ 25.2MHz	±5% (J)	30 @ 25.2MHz	220	0.50	450
PE-1210FT561KTT	0.560 @ 25.2MHz	±5% (J)	30 @ 25.2MHz	180	0.55	450
PE-1210FT681KTT	0.680 @ 25.2MHz	±5% (J)	30 @ 25.2MHz	160	0.60	450
PE-1210FT821KTT	0.820 @ 25.2MHz	±5% (J)	30 @ 25.2MHz	140	0.65	450
PE-1210FT102KTT	1.000 @ 7.96MHz	±5% (J)	30 @ 7.96MHz	120	0.70	400
PE-1210FT122KTT	1.200 @ 7.96MHz	±5% (J)	30 @ 7.96MHz	100	0.75	390
PE-1210FT152KTT	1.500 @ 7.96MHz	±5% (J)	30 @ 7.96MHz	85	0.85	370
PE-1210FT182KTT	1.800 @ 7.96MHz	±5% (J)	30 @ 7.96MHz	80	0.90	350
PE-1210FT222KTT	2.200 @ 7.96MHz	±5% (J)	30 @ 7.96MHz	75	1.00	320
PE-1210FT272KTT	2.700 @ 7.96MHz	±5% (J)	30 @ 7.96MHz	70	1.10	290
PE-1210FT332KTT	3.300 @ 7.96MHz	±5% (J)	30 @ 7.96MHz	60	1.20	260
PE-1210FT392KTT	3.900 @ 7.96MHz	±5% (J)	30 @ 7.96MHz	55	1.30	250
PE-1210FT472KTT	4.700 @ 7.96MHz	±5% (J)	30 @ 7.96MHz	50	1.50	224
PE-1210FT562KTT	5.600 @ 7.96MHz	±5% (J)	30 @ 7.96MHz	45	1.60	204
PE-1210FT682KTT	6.800 @ 7.96MHz	±5% (J)	30 @ 7.96MHz	40	1.80	180
PE-1210FT822KTT	8.200 @ 7.96MHz	±5% (J)	30 @ 7.96MHz	35	2.00	170
PE-1210FT103KTT	10.000 @ 2.52MHz	±5% (J)	30 @ 2.52MHz	30	2.10	150
PE-1210FT123KTT	12.000 @ 2.52MHz	±5% (J)	30 @ 2.52MHz	20	2.50	140
1812FD Series						
PE-1812FD602KTT	6 @ 2.5MHz	±5% (J)	30 @ 2.5MHz	70.0	1.4	550
PE-1812FD123KTT	12 @ 2.5MHz	±5% (J)	40 @ 2.5MHz	55.0	2.0	310
PE-1812FD153KTT	15 @ 2.5MHz	±5% (J)	40 @ 2.5MHz	45.0	2.5	290
PE-1812FD183KTT	18 @ 2.5MHz	±5% (J)	45 @ 2.5MHz	36.0	2.8	270
PE-1812FD223KTT	22 @ 2.5MHz	±5% (J)	45 @ 2.5MHz	32.0	3.2	260
PE-1812FD273KTT	27 @ 2.5MHz	±5% (J)	45 @ 2.5MHz	27.0	3.6	240
PE-1812FD333KTT	33 @ 2.5MHz	±5% (J)	45 @ 2.5MHz	23.0	4.0	230
PE-1812FD393KTT	39 @ 2.5MHz	±5% (J)	45 @ 2.5MHz	18.0	4.5	210
PE-1812FD473KTT	47 @ 2.5MHz	±5% (J)	40 @ 2.5MHz	16.0	5.0	200
PE-1812FD563KTT	56 @ 2.5MHz	±5% (J)	40 @ 2.5MHz	13.0	5.5	190
PE-1812FD683KTT	68 @ 2.5MHz	±5% (J)	40 @ 2.5MHz	10.0	6.0	180
PE-1812FD823KTT	82 @ 2.5MHz	±5% (J)	40 @ 2.5MHz	9.0	7.0	170
PE-1812FD104KTT	100 @ 2.5MHz	±5% (J)	35 @ 2.5MHz	8.5	8.0	150
PE-1812FD124KTT	120 @ 0.79MHz	±5% (J)	30 @ 0.79MHz	8.5	11.5	135
PE-1812FD154KTT	150 @ 0.79MHz	±5% (J)	33 @ 0.79MHz	8.5	13.0	125
PE-1812FD184KTT	180 @ 0.79MHz	±5% (J)	33 @ 0.79MHz	8.0	14.2	120
PE-1812FD224KTT	220 @ 0.79MHz	±5% (J)	34 @ 0.79MHz	6.0	16.2	115
PE-1812FD274KTT	270 @ 0.79MHz	±5% (J)	34 @ 0.79MHz	5.0	20.5	105
PE-1812FD334KTT	330 @ 0.79MHz	±5% (J)	34 @ 0.79MHz	4.5	22.5	100
PE-1812FD394KTT	390 @ 0.79MHz	±5% (J)	34 @ 0.79MHz	3.5	24.5	90
PE-1812FD474KTT	470 @ 0.79MHz	±5% (J)	34 @ 0.79MHz	3.0	26.5	85
PE-1812FD564KTT	560 @ 0.79MHz	±5% (J)	30 @ 0.79MHz	2.0	28.5	75
PE-1812FD684KTT	680 @ 0.79MHz	±5% (J)	30 @ 0.79MHz	1.6	38.0	60
PE-1812FD824KTT	820 @ 0.79MHz	±5% (J)	27 @ 0.79MHz	1.6	41.0	55
PE-1812FD105KTT	1000 @ 0.79MHz	±5% (J)	27 @ 0.79MHz	1.4	44.0	50

Surface Mount