



0603CD Series

Pulse introduces the 0603CD series to broaden the Miniature RF Inductor product line. These smaller products, designed to save board space, keep pace with the demands of new wireless technologies.

They have the same technology and options as the 0805CX/CM series and 1008CX/CM series. For complete details see data sheet number **W704**.

Miniature, Wirewound Components

0603CD Series

Pulse Part Number	Inductance (nH)	Standard Tolerance	Optional Tolerance	Test Freq. (MHz)
PE-0603CD010KTT	1.8	±10%	±5%	250
PE-0603CD040KTT	3.9	±10%	±5%	250
PE-0603CD060KTT	6.8	±10%	±5%	250
PE-0603CD080KTT	8.2	±10%	±5%	250
PE-0603CD100KTT	10.0	±10%	±5%, ±2%, ±1%	250
PE-0603CD120KTT	12.0	±10%	±5%, ±2%, ±1%	250
PE-0603CD150KTT	15.0	±10%	±5%, ±2%, ±1%	250
PE-0603CD180KTT	18.0	±10%	±5%, ±2%, ±1%	250
PE-0603CD220KTT	22.0	±10%	±5%, ±2%, ±1%	250
PE-0603CD270KTT	27.0	±10%	±5%, ±2%, ±1%	250
PE-0603CD330KTT	33.0	±10%	±5%, ±2%, ±1%	250
PE-0603CD390KTT	39.0	±10%	±5%, ±2%, ±1%	250
PE-0603CD470KTT	47.0	±10%	±5%, ±2%, ±1%	200
PE-0603CD560KTT	56.0	±10%	±5%, ±2%, ±1%	200
PE-0603CD680KTT	68.0	±10%	±5%, ±2%, ±1%	200
PE-0603CD720KTT	72.0	±10%	±5%, ±2%, ±1%	150
PE-0603CD820KTT	82.0	±10%	±5%, ±2%, ±1%	150
PE-0603CD101KTT	100.0	±10%	±5%, ±2%, ±1%	150
PE-0603CD111KTT	110.0	±10%	±5%, ±2%, ±1%	150
PE-0603CD121KTT	120.0	±10%	±5%, ±2%, ±1%	150

0805CX Series

Pulse Part Number	Inductance (nH)	Standard Tolerance	Optional Tolerance	Test Freq. (MHz)
PE-0805CX030KTG	3.3	±10%	±5%	250
PE-0805CX060KTG	6.8	±10%	±5%	250
PE-0805CX080KTG	8.2	±10%	±5%	250
PE-0805CX120KTG	12.0	±10%	±5%	250
PE-0805CX150KTG	15.0	±10%	±5%, ±2%, ±1%	250
PE-0805CX180KTG	18.0	±10%	±5%, ±2%, ±1%	250
PE-0805CX220KTG	22.0	±10%	±5%, ±2%, ±1%	250
PE-0805CX270KTG	27.0	±10%	±5%, ±2%, ±1%	250
PE-0805CX330KTG	33.0	±10%	±5%, ±2%, ±1%	250
PE-0805CX390KTG	39.0	±10%	±5%, ±2%, ±1%	250
PE-0805CX470KTG	47.0	±10%	±5%, ±2%, ±1%	200
PE-0805CX560KTG	56.0	±10%	±5%, ±2%, ±1%	200
PE-0805CX680KTG	68.0	±10%	±5%, ±2%, ±1%	200
PE-0805CX820KTG	82.0	±10%	±5%, ±2%, ±1%	150
PE-0805CX101KTG	100.0	±10%	±5%, ±2%, ±1%	150
PE-0805CX121KTG	120.0	±10%	±5%, ±2%, ±1%	150
PE-0805CX151KTG	150.0	±10%	±5%, ±2%, ±1%	100
PE-0805CX181KTG	180.0	±10%	±5%, ±2%, ±1%	100
PE-0805CX221KTG	220.0	±10%	±5%, ±2%, ±1%	100
PE-0805CX271KTG	270.0	±10%	±5%, ±2%, ±1%	100
PE-0805CX331KTG	330.0	±10%	±5%, ±2%, ±1%	100
PE-0805CX391KTG	390.0	±10%	±5%, ±2%, ±1%	100
PE-0805CX471KTG	470.0	±10%	±5%, ±2%, ±1%	100
PE-0805CX561KTG	560.0	±10%	±5%, ±2%, ±1%	100
PE-0805CX681KTG	680.0	±10%	±5%, ±2%, ±1%	50

1008CX Series

Pulse Part Number	Inductance (nH)	Standard Tolerance	Optional Tolerance	Test Freq. (MHz)
PE-1008CX040KTG	4.7	±20%	±10%, ±5%	50
PE-1008CX080KTG	8.2	±20%	±10%	50
PE-1008CX100KTG	10.0	±20%	±10%, ±5%	50
PE-1008CX120KTG	12.0	±20%	±10%, ±5%	50
PE-1008CX150KTG	15.0	±20%	±10%, ±5%	50
PE-1008CX180KTG	18.0	±20%	±10%, ±5%	50
PE-1008CX220KTG	22.0	±20%	±10%, ±5%	50
PE-1008CX270KTG	27.0	±10%	±5%, ±2%, ±1%	50
PE-1008CX330KTG	33.0	±10%	±5%, ±2%, ±1%	50
PE-1008CX390KTG	39.0	±10%	±5%, ±2%, ±1%	50
PE-1008CX470KTG	47.0	±10%	±5%, ±2%, ±1%	50
PE-1008CX560KTG	56.0	±10%	±5%, ±2%, ±1%	50
PE-1008CX680KTG	68.0	±10%	±5%, ±2%, ±1%	50
PE-1008CX820KTG	82.0	±10%	±5%, ±2%, ±1%	50
PE-1008CX101KTG	100.0	±10%	±5%, ±2%, ±1%	25
PE-1008CX121KTG	120.0	±10%	±5%, ±2%, ±1%	25
PE-1008CX151KTG	150.0	±10%	±5%, ±2%, ±1%	25
PE-1008CX181KTG	180.0	±10%	±5%, ±2%, ±1%	25
PE-1008CX221KTG	220.0	±10%	±5%, ±2%, ±1%	25
PE-1008CX271KTG	270.0	±10%	±5%, ±2%, ±1%	25
PE-1008CX331KTG	330.0	±10%	±5%, ±2%, ±1%	25
PE-1008CX391KTG	390.0	±10%	±5%, ±2%, ±1%	25
PE-1008CX471KTG	470.0	±10%	±5%, ±2%, ±1%	25
PE-1008CX561KTG	560.0	±10%	±5%, ±2%, ±1%	25
PE-1008CX621KTG	620.0	±10%	±5%, ±2%, ±1%	25
PE-1008CX681KTG	680.0	±10%	±5%, ±2%, ±1%	25
PE-1008CX751KTG	750.0	±10%	±5%, ±2%, ±1%	25
PE-1008CX821KTG	820.0	±10%	±5%, ±2%, ±1%	25
PE-1008CX911KTG	910.0	±10%	±5%, ±2%, ±1%	25
PE-1008CX102KTG	1000.0	±10%	±5%, ±2%, ±1%	25
PE-1008CX122KTG	1200.0	±10%	±5%, ±2%, ±1%	10
PE-1008CX152KTG	1500.0	±10%	±5%, ±2%, ±1%	10
PE-1008CX182KTG	1800.0	±10%	±5%, ±2%, ±1%	10
PE-1008CX222KTG	2200.0	±10%	±5%, ±2%, ±1%	10
PE-1008CX272KTG	2700.0	±10%	±5%, ±2%, ±1%	10
PE-1008CX332KTG	3300.0	±10%	±5%, ±2%, ±1%	10
PE-1008CX392KTG	3900.0	±10%	±5%, ±2%, ±1%	10
PE-1008CX472KTG	4700.0	±10%	±5%, ±2%, ±1%	10

0603CD Series

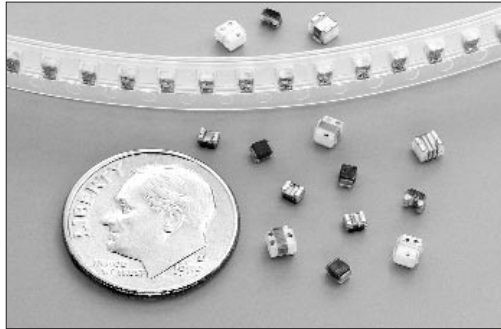
Part size is based on standard 0603 (1608) format. Sold in quantities of 2000 per reel. See data sheet **W704** for more detailed information.

0805CX Series

Part size is based on standard 0805 (2012) format. Sold in quantities of 2000 per reel. Please refer to Pulse data sheet **W702** for specific electrical and mechanical information.

1008CX Series

Part size is based on standard 1008 (2520) format. Sold in quantities of 1600 per reel. Data sheet **W701** contains more detailed information on electrical and mechanical specifications.



0805CX/CM & 1008CX/CM Series

The 0603CD, 0805CX/CM, and 1008CX/CM series of Miniature RF Inductors contain wirewound technology and alumina cores, thus providing the ultimate performance demanded by today's wireless products. These series provide improved high side metallization. The inductors feature high Q's and SRFs and an industry standard size and footprint. Options include tighter inductance tolerances and gold-plated terminations.

S-Parameters and Q & Inductance vs. Frequency information is available on 3.5" disk. Please request Application Note AN944-1.

Miniature, Wirewound Components (continued)

0805CM Series				
Pulse Part Number	Inductance (nH)	Standard Tolerance	Optional Tolerance	Test Freq. (MHz)
PE-0805CM030KTT	3.3	±10%	±5%, ±2%, ±1%	250
PE-0805CM060KTT	6.8	±10%	±5%, ±2%, ±1%	250
PE-0805CM080KTT	8.2	±10%	±5%, ±2%, ±1%	250
PE-0805CM120KTT	12.0	±10%	±5%, ±2%, ±1%	250
PE-0805CM150KTT	15.0	±10%	±5%, ±2%, ±1%	250
PE-0805CM180KTT	18.0	±10%	±5%, ±2%, ±1%	250
PE-0805CM220KTT	22.0	±10%	±5%, ±2%, ±1%	250
PE-0805CM270KTT	27.0	±10%	±5%, ±2%, ±1%	250
PE-0805CM330KTT	33.0	±10%	±5%, ±2%, ±1%	250
PE-0805CM390KTT	39.0	±10%	±5%, ±2%, ±1%	250
PE-0805CM470KTT	47.0	±10%	±5%, ±2%, ±1%	200
PE-0805CM560KTT	56.0	±10%	±5%, ±2%, ±1%	200
PE-0805CM680KTT	68.0	±10%	±5%, ±2%, ±1%	200
PE-0805CM820KTT	82.0	±10%	±5%, ±2%, ±1%	150
PE-0805CM101KTT	100.0	±10%	±5%, ±2%, ±1%	150
PE-0805CM121KTT	120.0	±10%	±5%, ±2%, ±1%	150
PE-0805CM151KTT	150.0	±10%	±5%, ±2%, ±1%	100
PE-0805CM181KTT	180.0	±10%	±5%, ±2%, ±1%	100
PE-0805CM221KTT	220.0	±10%	±5%, ±2%, ±1%	100
PE-0805CM271KTT	270.0	±10%	±5%, ±2%, ±1%	100
PE-0805CM331KTT	330.0	±10%	±5%, ±2%, ±1%	100
PE-0805CM391KTT	390.0	±10%	±5%, ±2%, ±1%	100
PE-0805CM471KTT	470.0	±10%	±5%, ±2%, ±1%	100
PE-0805CM561KTT	560.0	±10%	±5%, ±2%, ±1%	100
PE-0805CM681KTT	680.0	±10%	±5%, ±2%, ±1%	50

0805CM Series

Part size is based on standard 0805 (2012) format. Sold in quantities of 2000 per reel. Electrically identical to 0805CX series, providing improved high side metallization. Please refer to Pulse data sheet **W706** for specific electrical and mechanical information.

1008CM Series

Part size is based on standard 1008 (2520) format. Sold in quantities of 1600 per reel. Electrically identical to 1008CX series, providing improved high side metallization. Please refer to Pulse data sheet **W705** for specific electrical and mechanical information.

1008CM Series				
Pulse Part Number	Inductance (nH)	Standard Tolerance	Optional Tolerance	Test Freq. (MHz)
PE-1008CM040MTT	4.7	±20%	±10%, ±5%	50
PE-1008CM080MTT	8.2	±20%	±10%	50
PE-1008CM100MTT	10.0	±20%	±10%, ±5%	50
PE-1008CM120MTT	12.0	±20%	±10%, ±5%	50
PE-1008CM150MTT	15.0	±20%	±10%, ±5%	50
PE-1008CM180MTT	18.0	±20%	±10%, ±5%	50
PE-1008CM220MTT	22.0	±20%	±10%, ±5%	50
PE-1008CM270KTT	27.0	±10%	±5%, ±2%, ±1%	50
PE-1008CM330KTT	33.0	±10%	±5%, ±2%, ±1%	50
PE-1008CM390KTT	39.0	±10%	±5%, ±2%, ±1%	50
PE-1008CM470KTT	47.0	±10%	±5%, ±2%, ±1%	50
PE-1008CM560KTT	56.0	±10%	±5%, ±2%, ±1%	50
PE-1008CM680KTT	68.0	±10%	±5%, ±2%, ±1%	50
PE-1008CM820KTT	82.0	±10%	±5%, ±2%, ±1%	50
PE-1008CM101KTT	100.0	±10%	±5%, ±2%, ±1%	25
PE-1008CM121KTT	120.0	±10%	±5%, ±2%, ±1%	25
PE-1008CM151KTT	150.0	±10%	±5%, ±2%, ±1%	25
PE-1008CM181KTT	180.0	±10%	±5%, ±2%, ±1%	25
PE-1008CM221KTT	220.0	±10%	±5%, ±2%, ±1%	25
PE-1008CM271KTT	270.0	±10%	±5%, ±2%, ±1%	25
PE-1008CM331KTT	330.0	±10%	±5%, ±2%, ±1%	25
PE-1008CM391KTT	390.0	±10%	±5%, ±2%, ±1%	25
PE-1008CM471KTT	470.0	±10%	±5%, ±2%, ±1%	25
PE-1008CM561KTT	560.0	±10%	±5%, ±2%, ±1%	25
PE-1008CM621KTT	620.0	±10%	±5%, ±2%, ±1%	25
PE-1008CM681KTT	680.0	±10%	±5%, ±2%, ±1%	25
PE-1008CM751KTT	750.0	±10%	±5%, ±2%, ±1%	25
PE-1008CM821KTT	820.0	±10%	±5%, ±2%, ±1%	25
PE-1008CM911KTT	910.0	±10%	±5%, ±2%, ±1%	25
PE-1008CM102KTT	1000.0	±10%	±5%, ±2%, ±1%	25
PE-1008CM122KTT	1200.0	±10%	±5%, ±2%, ±1%	10
PE-1008CM152KTT	1500.0	±10%	±5%, ±2%, ±1%	10
PE-1008CM182KTT	1800.0	±10%	±5%, ±2%, ±1%	10
PE-1008CM222KTT	2200.0	±10%	±5%, ±2%, ±1%	10
PE-1008CM272KTT	2700.0	±10%	±5%, ±2%, ±1%	10
PE-1008CM332KTT	3300.0	±10%	±5%, ±2%, ±1%	10
PE-1008CM392KTT	3900.0	±10%	±5%, ±2%, ±1%	10
PE-1008CM472KTT	4700.0	±10%	±5%, ±2%, ±1%	10

Surface Mount Package