



Wire Wound Chip Ceramic Inductors



PCW1008 Series



Scope:

This specification applies to Wire Wound Ceramic Chip Inductors.

Features:

1. Minature size, suitable for SMT.
2. Using terminal electrode structure to restrain the.
3. Parasitic component effect quite caused by lead.
4. Execellent in solderability and heat resistance.

Application :

1. Modems, Mobile Radios.
2. Cordless Telephones.
3. Global Positioning Systems.
4. Telecommunications Systems.

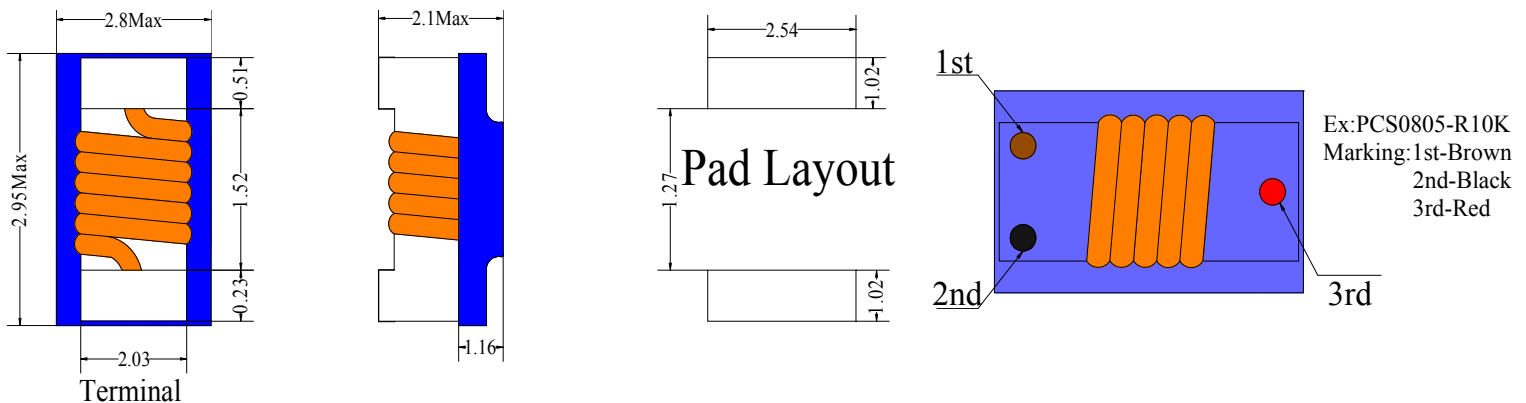
Rating:

1. Operating Temperature: $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (Including self - temperature rise)
2. Storage Temperature: $20^{\circ}\text{C} \sim 25^{\circ}\text{C}$ R.H.65% (In Tape & Reel Condition)

Standard Testing Condition:

	Unless otherwise specified	In case of doubt
Temperature	Ordinary Temperature(15 to 35°C)	20 to 30°C
Humidity	Ordinary Humidity(25 to 85% RH)	50 to 80 %RH

Dimension:





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Electrical Specifications:

Part No.	Inductance	L/Q Test Freq.	Q	SRF	RDC	Irms	Tolerance	Color		
	(nH)	(MHz)	Min.	(MHz)Min.	(Ω)Max.	(mA)Max.		1st	2dn	3rd
PCW1008-10NK	10	50/500	50	4100	0.08	1000	K,J,G	BRN	BLK	BLK
PCW1008-12NK	12	50/500	50	3300	0.09	1000	K,J,G	BRN	RED	BLK
PCW1008-15NK	15	50/500	50	2500	0.1	1000	K,J,G	BRN	GRN	BLK
PCW1008-18NK	18	50/350	50	2500	0.11	1000	K,J,G	BRN	GRY	BLK
PCW1008-22NK	22	50/350	55	2400	0.12	1000	K,J,G	RED	RED	BLK
PCW1008-27NK	27	50/350	55	1600	0.13	1000	K,J,G	RED	VIO	BLK
PCW1008-33NK	33	50/350	60	1600	0.14	1000	K,J,G	ORN	ORN	BLK
PCW1008-39NK	39	50/350	60	1500	0.15	1000	K,J,G	ORN	WHT	BLK
PCW1008-47NK	47	50/350	65	1500	0.16	1000	K,J,G	YEL	VIO	BLK
PCW1008-56NK	56	50/350	65	1300	0.18	1000	K,J,G	GRN	BLU	BLK
PCW1008-68NK	68	50/350	65	1300	0.2	1000	K,J,G	BLU	GRY	BLK
PCW1008-82NK	82	50/350	60	1000	0.22	1000	K,J,G	GRY	RED	BLK
PCW1008-R10NK	100	25/350	60	1000	0.56	650	K,J,G	BRN	BLK	BRN
PCW1008-R12NK	120	25/350	60	950	0.63	650	K,J,G	BRN	RED	BRN
PCW1008-R15NK	150	25/100	45	850	0.7	580	K,J,G	BRN	GRN	BRN
PCW1008-R18NK	180	25/100	45	750	0.77	620	K,J,H,G	BRN	GRY	BRN
PCW1008-R20NK	200	25/100	45	700	0.84	500	K,J,G	RED	BLK	BRN
PCW1008-R22NK	220	25/100	45	700	0.84	500	K,J,G	RED	RED	BRN
PCW1008-R27NK	270	25/100	45	600	0.91	500	K,J,G	RED	VIO	BRN
PCW1008-R33NK	330	25/100	45	570	1.05	450	K,J,G	ORN	ORN	BRN
PCW1008-R39NK	390	25/100	45	500	1.12	470	K,J,G	ORN	WHT	BRN
PCW1008-R47NK	470	25/100	45	450	1.19	470	K,J,G	YEL	VIO	BRN
PCW1008-R56NK	560	25/100	45	415	1.33	400	K,J,G	GRN	BLU	BRN
PCW1008-R62NK	620	25/100	45	375	1.4	300	K,J,G	BLU	RED	BRN
PCW1008-R68NK	680	25/100	45	375	1.47	400	K,J,G	BLU	GRY	BRN
PCW1008-R75NK	750	25/100	45	360	1.54	360	K,J,G	VIO	GRN	BRN
PCW1008-R82NK	820	25/100	45	350	1.61	400	K,J,G	GRY	RED	BRN
PCW1008-R91NK	910	25/50	35	320	1.68	380	K,J,G	WHT	BRN	BRN
PCW1008-1R0K	1000	25/50	35	290	1.75	370	K,J,G	BRN	BLK	RED
PCW1008-1R2K	1200	7.9/50	35	250	2	310	K,J,G	BRN	RED	RED
PCW1008-1R5K	1500	7.9/50	28	200	2.3	330	K,J,G	BRN	GRN	RED
PCW1008-1R8K	1800	7.9/50	28	160	2.6	300	K,J,G	BRN	GRY	RED
PCW1008-2R2K	2200	7.9/50	28	160	2.8	280	K,J,G	RED	RED	RED
PCW1008-2R7K	2700	7.9/25	22	140	3.2	290	K,J,G	RED	VIO	RED



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Part No.	Inductance	L/Q Test Freq.	Q	SRF	RDC	Irms	Tolerance	Color		
	(nH)	(MHz)	Min.	(MHz)Min	(Ω)Max.	(mA)Max.		1st	2dn	3rd
PCW1008-3R3K	3300	7.9/25	22	110	3.4	290	K,J,G	ORN	ORN	RED
PCW1008-3R9K	3900	7.9/25	20	100	3.6	260	K,J,G	ORN	WHT	RED
PCW1008-4R7K	4700	7.9/25	20	90	4	260	K,J,G	YEL	VIO	RED
PCW1008-5R6K	5600	7.9/7.9	18	45	4	240	K,J,G	GRN	BLU	RED
PCW1008-6R8K	6800	7.9/7.9	18	40	4.9	200	K,J,G	BLU	GRY	RED
PCW1008-8R2K	8200	7.9/7.9	18	25	6	170	K,J,G	GRY	RED	RED
PCW1008-100K	10000	2.52/7.9	18	25	8	150	K,J,G	BRN	BLK	ORN
PCW1008-150K	15000	2.52/7.9	15	20	11	100	K,J,G	BRN	GRN	ORN

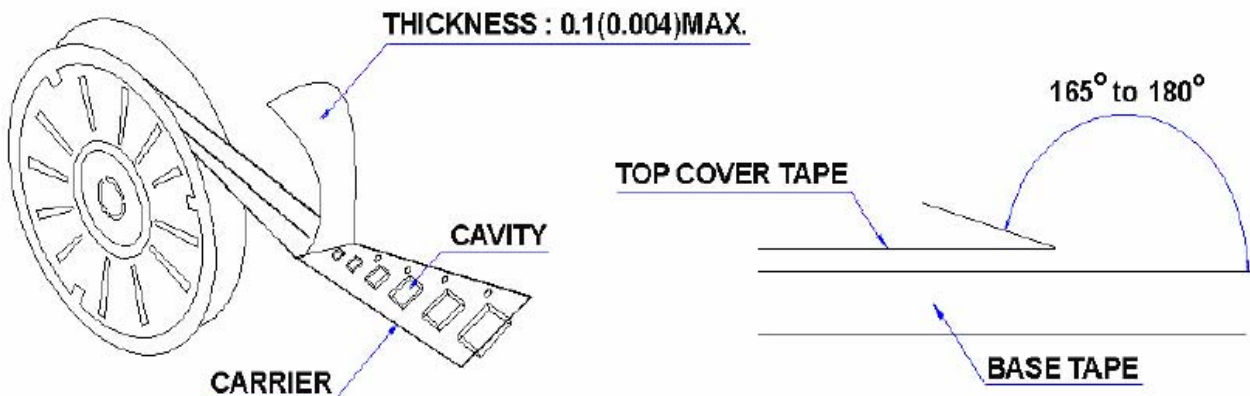
NOTE: G=±2% / H=±3% / J=±5% / K=±10%

1. Operating temperature range, -40°C ~ 125(Including self - temperature rise).
2. Irms for a 15°C temperature rise from 25°C ambient.
3. L/Q Test OSC @200mV.

Packaging:

1. Packaging -Cover Tape

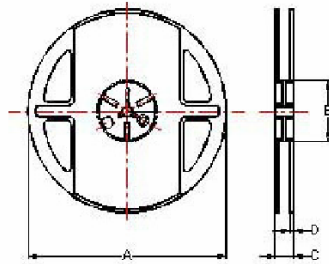
The force for tearing off cover tape is 10 to 100 grams in the arrow direction



2. Packaging Quantity

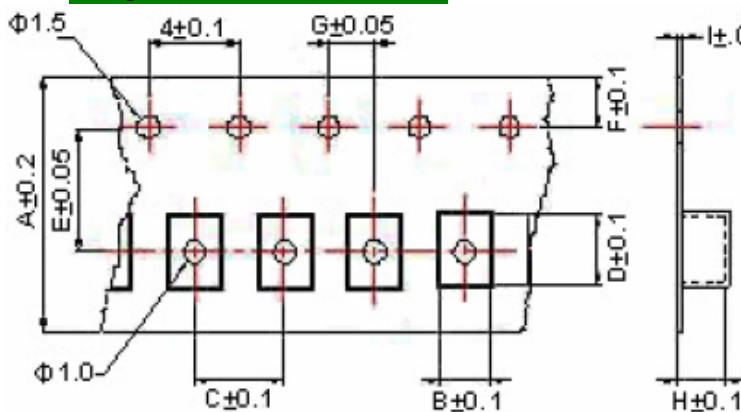
Type	Pcs/Reel
PCW1008	2000

3. Reel Dimensions



Type	A	B	C	D
PCW0805	178	60	12	1.5

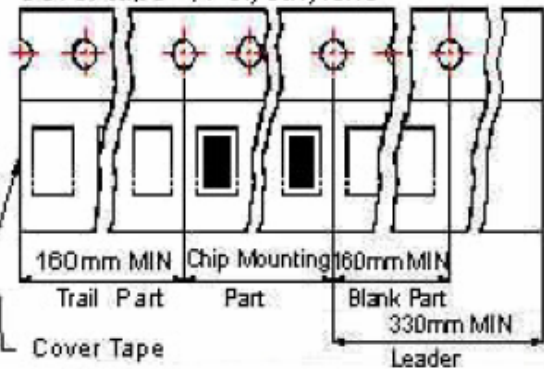
4. Tape Dimensions in mm



Tape Material

Carrier tape : Polycarbonate

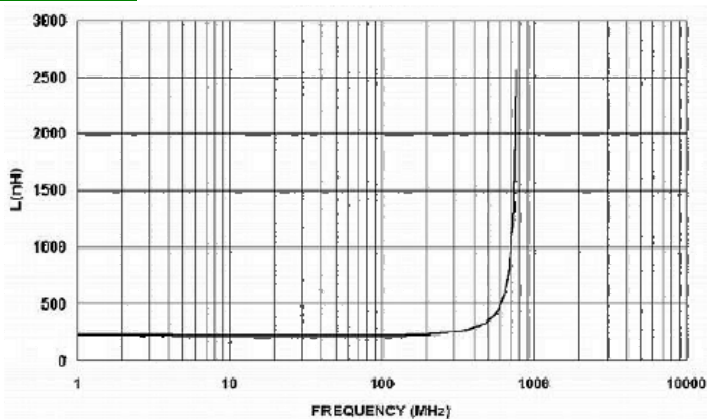
Cover tape : Polyethylene



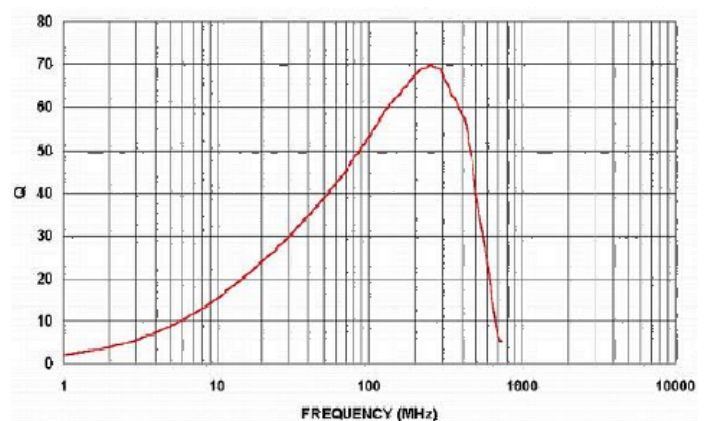
Type	A	B	C	D	E	F	G	H	I
PCW1008	8	2.8	4	3	3.5	1.75	2	2.2	0.23

Graph:

PCW1008-3N3J



PCW1008-3N3J



Note:

1. Please make sure that your product has been evaluated and confirmed against your specifications when our product is mounted to your product.
2. Do not knock nor drop.
3. All the items and parameters in this product specification have been prescribed on the premise that our product is between you and us. You are requested not to use our product deviating from such agreement.
4. Please keep the distance between transformer/coil and other components (refer to the standard IEC 950)
5. The moisture sensitivity level (MSL) of products is classified as level 1.