MULTILAYER HIGH FREQUENCY CERAMIC CHIP INDUCTOR

片式高频陶瓷电感

PFCI SERIES

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Multilayer High Frequency Ceramic Chip Inductor-PFCI Series

片式高频陶瓷电感-PFCI 系列

INTRODUCTION AND CHARACTERISTICS 产品介绍及特性

INTRODUCTION	产品介绍
◆PFCI Series supports miniaturized devices. Its low inductance, high precision and high Q enables easy impedance matching at both RF and IF circuits and compact high frequency circuit designing.	◆PFCI 支持小型设备，低感量、高精度、高 Q 值的特性使其很容易匹配在射频电路上，适用于高频集成的电路。

CHARACTERISTICS	特性
◆Monolith structure for high reliability	◆积层独石结构、高可靠性
◆Compact size inductor possible	◆体积小
◆High self-resonant frequency	◆高的共振频率
◆No cross coupling due to magnetic shield	◆良好的磁屏蔽，无交叉耦合
◆Excellent solderability and high heat resistance for reflow soldering or wave soldering	◆良好的焊接性，适合于回流焊或波峰焊

APPLICATIONS	应用产品
◆Tablet PC,notebook,desktop computers and peripheral equipment	◆平板电脑，笔记型，桌上型电脑及其周边设备
◆DSC,DVC,LCD Television,Set Top Box	◆数位相机，数位摄影机，液晶电视机，数位机上盒
◆Mobile phone,smart phone,PHD	◆行动电话，智能手机，个人导航设备
◆Digital communication equipment	◆数位通讯设备
◆Various electronic equipment	◆各式电子设备
◆Various automotive electronic	◆各式汽车设备
◆RF circuit and module	◆射频电路及模组

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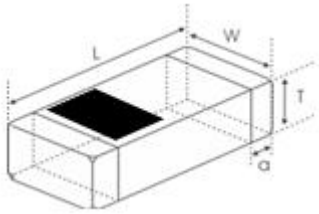
PRODUCT IDENTIFICATION 产品型号

PFCI	0402	H	1N2	□	T
①	②	③	④	⑤	⑥

①Product Series Code 产品系列码	PFCI	Multilayer High Frequency Ceramic Chip Inductor 片式高频陶瓷电感
②Size Code 尺寸码	0402	长×宽（L×W）（mm） 0.4×0.2
③Material Code 材质代号	H	高频材料
④Inductance Value Code 感量值	1N2	1.2nH
	R12	120nH
⑤Inductance Tolerance 电感值公差	B	±0.1nH
	C	±0.2nH
	S	±0.3nH
	G	±2%
	H	±3%
	J	±5%
	K	±10%
⑥Packing 包装形式	T	Tape and Reel 编带

SHAPE AND DIMENSIONS 外观尺寸



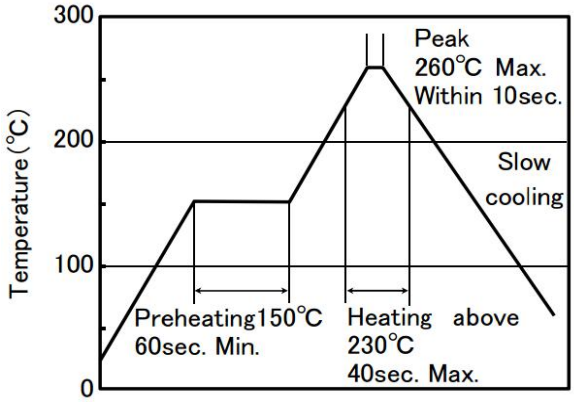
SIZE 尺寸	L 长 mm	W 宽 mm	T 厚 mm	a 银厚 mm
0402(01005)	0.4±0.02	0.2±0.02	0.2±0.02	0.07~0.12
0603(0201)	0.6±0.05	0.3±0.05	0.3±0.05	0.1~0.2
1005(0402)	1.0±0.15	0.5±0.15	0.5±0.15	0.1~0.3
1608(0603)	1.6±0.15	0.8±0.15	0.8±0.15	0.1~0.5
2012(0805)	2.0±0.2	1.25±0.2	0.85±0.2	0.2~0.8
			1.25±0.2	

STORAGE AND OPERATING CONDITIONS 储存及操作条件

Operating Temperature Range	0402/0603/1005 series: -55℃ ~ +125 ℃ 1608/2012 series: -40℃~+85 ℃
Storage Temperature and Humidity Range	－10℃~＋40℃,70%RH max.

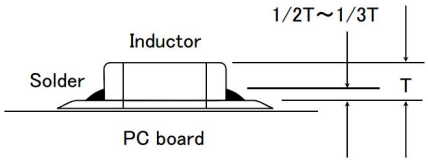
RECOMMENDED SOLDERING CONDITION 建议焊锡方式

REFLOW SOLDERING 回流焊



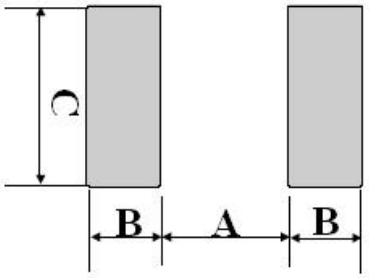
① Ceramic chip components should be preheated to within 100 to 130℃ of the soldering.
② Assured to be reflow soldering for 2 times.

Caution:
1)The ideal condition is to have solder mass（fillet）controlled to 1/2 to 1/3 of the thickness of the inductor.



2)Because excessive dwell times can detrimentally affect solderability, soldering duration should be kept as close to recommended times as possible.

RECOMMENDED LAND PATTERN 推荐的焊盘尺寸

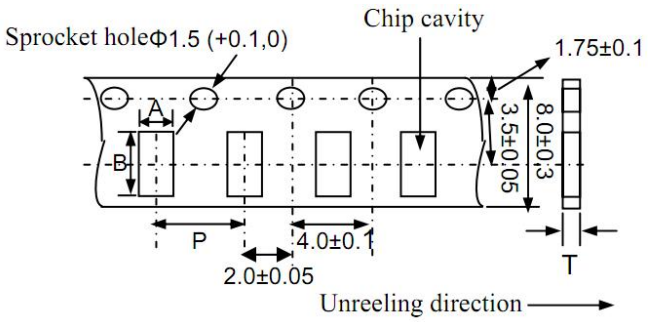


Dimension mm(inch)	A (mm)	B (mm)	C (mm)
0402(01005)	0.2	0.15~0.2	0.18~0.2
0603(0201)	0.2~0.3	0.2~0.3	0.3~0.35
1005(0402)	0.45~0.55	0.40~0.50	0.45~0.55
1608(0603)	0.6~0.8	0.6~0.8	0.6~0.8
2012(0805)	0.8~1.2	0.8~1.2	0.9~1.6

PACKING STANDARD 包装标准

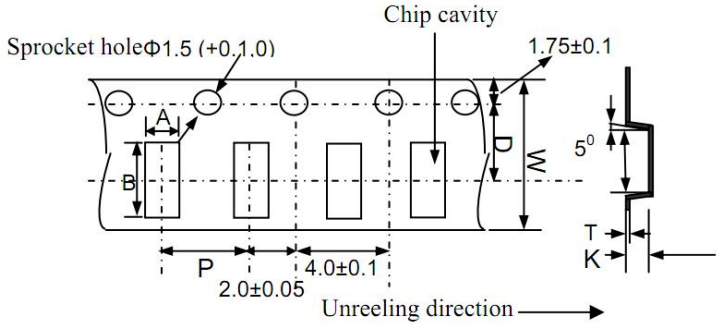
◆Taping Dimensions

Paper tape (8mm wide)



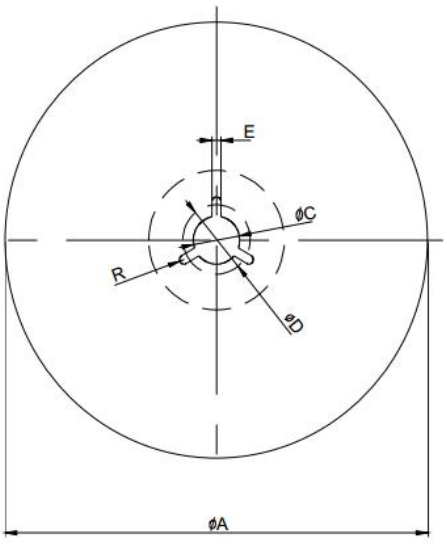
Type	Chip Thickness	A	B	P	T max.	Quantity (pcs/reel)
	(mm)					ø178mm Reel
PFCI0402	0.20	0.26	0.46	2.0	0.40	20000
PFCI0603	0.30	0.40	0.70	2.0	0.55	15000
PFCI1005	0.50	0.65	1.15	2.0	0.80	10000
PFCI1608	0.80	1.00	1.80	4.0	1.10	4000
PFCI2012	0.85	1.50	2.30	4.0	1.10	4000

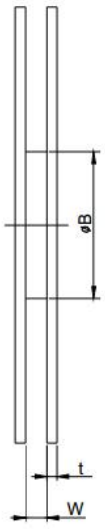
Embossed Tape



Type	Chip Thickness	W	A	B	D	P	K max.	T max.	Quantity (pcs/reel)
	(mm)								ø178mm
PFCI2012	1.25	8	1.55	2.25	3.50	4.0	1.45	0.30	3000

◆Reel Dimensions





Symbol	ø178mm Reel	Ø330mm Reel
A	Ø178±2	Ø330±2
B	Ø60±2	Ø100±2
C	Ø13±0.8	Ø13±0.8
D	Ø21±0.8	Ø21±0.8
E	2	2
W8	10±1.5	10±1.5
W12	14.5±1.5	14.5±1.5
W16	--	17.4(Typ.)
W24	--	24.4(Typ.)
T	2±0.5	2±0.5
R	1	1

SPECIFICATIONS 规格特性

PFCI 0402(01005) TYPE

Part Number 型号	Inductance 电感量 L	Quality Factor 品质因数 Q	L/Q Test Freq 测试频率 Freq.	Typ. Q @ Freq. (GHz)					Self-resonant Freq 共振频率 S.R.F	DC Resistance 直流电阻 RDC	Rated Current 额定电流 Ir
				0.5	0.8	1.8	2.0	2.4			
Units 单位	nH	--	MHz	--					GHz	Ω	mA
PFCI0402H0N2□T	0.2	--	500	12	16	22	26	38	13	0.4	320
PFCI0402H0N3□T	0.3	--	500	12	15	22	25	36	13	0.4	320
PFCI0402H0N4□T	0.4	8	500	11	14	21	22	24	13	0.4	320
PFCI0402H0N5□T	0.5	8	500	10	13	21	23	25	13	0.4	320
PFCI0402H0N6□T	0.6	8	500	12	14	20	23	25	13	0.4	320
PFCI0402H0N7□T	0.7	8	500	11	13	21	22	24	13	0.4	320
PFCI0402H0N8□T	0.8	8	500	10	12	20	21	23	13	0.4	320
PFCI0402H0N9□T	0.9	8	500	11	13	20	22	24	13	0.4	320
PFCI0402H1N0□T	1.0	8	500	10	12	19	21	23	11.5	0.4	220
PFCI0402H1N1□T	1.1	8	500	11	13	19	22	24	11.5	0.4	220
PFCI0402H1N2□T	1.2	8	500	10	12	20	21	23	11.5	0.4	220
PFCI0402H1N3□T	1.3	8	500	10	12	19	21	23	11.5	0.4	220
PFCI0402H1N4□T	1.4	8	500	11	13	20	21	23	11.5	0.4	220
PFCI0402H1N5□T	1.5	8	500	10	13	19	21	24	11.5	0.4	220
PFCI0402H1N6□T	1.6	8	500	10	12	19	21	23	11.5	0.4	220
PFCI0402H1N7□T	1.7	8	500	11	13	20	21	24	9.5	0.5	200
PFCI0402H1N8□T	1.8	8	500	10	12	19	21	23	9	0.5	200
PFCI0402H1N9□T	1.9	8	500	10	12	20	21	23	9	0.5	200
PFCI0402H2N0□T	2.0	8	500	11	12	19	21	23	9	0.5	200
PFCI0402H2N1□T	2.1	8	500	10	12	19	22	24	9	0.5	200
PFCI0402H2N2□T	2.2	8	500	9.5	11	18	20	22	7.5	0.55	200
PFCI0402H2N3□T	2.3	8	500	10	12	19	21	23	7.5	0.55	200
PFCI0402H2N4□T	2.4	8	500	10	12	19	21	23	7.5	0.55	200
PFCI0402H2N5□T	2.5	8	500	9.5	11	18	20	22	7.5	0.6	200
PFCI0402H2N6□T	2.6	8	500	11	12	19	21	23	7.5	0.6	200
PFCI0402H2N7□T	2.7	8	500	10	12	19	22	24	7.5	0.6	200
PFCI0402H2N8□T	2.8	8	500	10	12	19	21	23	7.5	0.8	200
PFCI0402H2N9□T	2.9	8	500	10	12	19	21	23	7.5	0.8	200
PFCI0402H3N0□T	3.0	8	500	10	12	19	20	23	7.5	0.9	200
PFCI0402H3N1□T	3.1	8	500	10	13	19	20	22	7.5	0.9	180
PFCI0402H3N2□T	3.2	8	500	9	11	19	20	22	7.5	0.9	180
PFCI0402H3N3□T	3.3	8	500	10	13	19	20	23	7.5	0.9	180
PFCI0402H3N4□T	3.4	8	500	10	12	19	21	23	7.5	1	180
PFCI0402H3N5□T	3.5	8	500	10	13	19	21	24	7.5	1	180
PFCI0402H3N6□T	3.6	8	500	11	12	19	21	23	7.5	1	180
PFCI0402H3N7□T	3.7	8	500	10	12	19	21	23	7.5	1	180

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PFCI0402H3N8□T	3.8	8	500	10	12	19	21	23	7.5	1	180
PFCI0402H3N9□T	3.9	8	500	9	11	19	20	22	7.5	1	180
PFCI0402H4N0□T	4.0	8	500	10	12	19	21	23	7.5	1.1	180
PFCI0402H4N1□T	4.1	8	500	11	12	19	21	24	7.5	1.1	180
PFCI0402H4N2□T	4.2	8	500	10	12	18	20	22	7.5	1.1	180
PFCI0402H4N3□T	4.3	8	500	10	13	19	21	24	7.5	1.1	180
PFCI0402H4N7□T	4.7	8	500	9	11	19	20	22	6.5	1.2	160
PFCI0402H5N1□T	5.1	8	500	10	12	18	19	22	6.5	1.3	160
PFCI0402H5N6□T	5.6	8	500	10	12	17	22	24	6	1.5	140
PFCI0402H6N2□T	6.2	8	500	10	11	18	20	23	5.5	1.6	140
PFCI0402H6N8□T	6.8	8	500	10	11	17	20	23	5.5	1.8	140
PFCI0402H7N5□T	7.5	8	500	10	13	17	22	24	4.5	1.8	140
PFCI0402H8N2□T	8.2	8	500	10	12	18	20	22	4.5	2	140
PFCI0402H9N1□T	9.1	8	500	10	13	17	21	23	4	2	140
PFCI0402H10N□T	10	8	500	9	12	18	20	21	4	2.2	140
PFCI0402H11N□T	11	8	500	9	12	18	19	20	4	2.4	140
PFCI0402H12N□T	12	8	500	9	12	17	18	18	4	2.4	140
PFCI0402H13N□T	13	7	500	8	12	17	18	18	3.5	3	140
PFCI0402H15N□T	15	7	500	8	12	16	15	14	3	3	140
PFCI0402H16N□T	16	7	500	8	11	13	12	11	2.5	3.2	140
PFCI0402H18N□T	18	7	500	7.5	10	12	10	9	2.5	3.2	140
PFCI0402H20N□T	20	6	500	7	9	11	9	7	2.5	3.5	120

※□: Please specify the inductance tolerance. For L≤4.2nH, choose B=±0.1nH, C=±0.2nH or S=±0.3nH; For 4.2nH< L<5.6nH, choose S=±0.3nH, or H=±3%, J=±5%; For L≥5.6nH, choose H=±3%, J=±5%.

SPECIFICATIONS 规格特性

PFCI 0603(0201) TYPE

Part Number 型号	Inductance 电感量 L	Quality Factor 品质因数 Q	L/Q Test Freq 测试频率 Freq.	Self-resonant Freq 共振频率 S.R.F	DC Resistance 直流电阻 RDC	Rated Current 额定电流 Ir	Thickness 厚度
Units 单位	nH	--	MHz	GHz	Ω	mA	mm
PFCI0603H0N1□T	0.1	13	500	10	0.07	900	0.3±0.05
PFCI0603H0N2□T	0.2	13	500	10	0.08	900	0.3±0.05
PFCI0603H0N3□T	0.3	13	500	10	0.08	900	0.3±0.05
PFCI0603H0N4□T	0.4	13	500	10	0.08	900	0.3±0.05
PFCI0603H0N5□T	0.5	13	500	10	0.08	900	0.3±0.05
PFCI0603H0N6□T	0.6	13	500	10	0.08	850	0.3±0.05
PFCI0603H0N7□T	0.7	13	500	10	0.11	750	0.3±0.05
PFCI0603H0N8□T	0.8	13	500	10	0.12	700	0.3±0.05
PFCI0603H0N9□T	0.9	13	500	10	0.12	700	0.3±0.05
PFCI0603H1N0□T	1.0	13	500	10	0.12	600	0.3±0.05
PFCI0603H1N1□T	1.1	13	500	10	0.12	600	0.3±0.05

PFCI0603H1N2□T	1.2	13	500	10	0.13	600	0.3±0.05
PFCI0603H1N3□T	1.3	13	500	10	0.15	600	0.3±0.05
PFCI0603H1N4□T	1.4	13	500	10	0.15	600	0.3±0.05
PFCI0603H1N5□T	1.5	13	500	10	0.15	600	0.3±0.05
PFCI0603H1N6□T	1.6	13	500	10	0.15	600	0.3±0.05
PFCI0603H1N7□T	1.7	13	500	10	0.15	500	0.3±0.05
PFCI0603H1N8□T	1.8	13	500	10	0.18	500	0.3±0.05
PFCI0603H1N9□T	1.9	13	500	10	0.2	450	0.3±0.05
PFCI0603H2N0□T	2.0	13	500	10	0.2	450	0.3±0.05
PFCI0603H2N1□T	2.1	13	500	9.6	0.2	450	0.3±0.05
PFCI0603H2N2□T	2.2	13	500	9.4	0.2	450	0.3±0.05
PFCI0603H2N3□T	2.3	13	500	9.2	0.22	450	0.3±0.05
PFCI0603H2N4□T	2.4	13	500	8.9	0.22	450	0.3±0.05
PFCI0603H2N5□T	2.5	13	500	8.8	0.25	450	0.3±0.05
PFCI0603H2N6□T	2.6	13	500	8.6	0.25	450	0.3±0.05
PFCI0603H2N7□T	2.7	13	500	8.5	0.25	450	0.3±0.05
PFCI0603H2N8□T	2.8	13	500	8.2	0.25	450	0.3±0.05
PFCI0603H2N9□T	2.9	13	500	8.1	0.25	450	0.3±0.05
PFCI0603H3N0□T	3.0	13	500	8.0	0.25	450	0.3±0.05
PFCI0603H3N1□T	3.1	13	500	7.9	0.32	400	0.3±0.05
PFCI0603H3N2□T	3.2	13	500	7.7	0.32	400	0.3±0.05
PFCI0603H3N3□T	3.3	13	500	7.6	0.32	400	0.3±0.05
PFCI0603H3N4□T	3.4	13	500	7.5	0.34	350	0.3±0.05
PFCI0603H3N5□T	3.5	13	500	7.4	0.34	350	0.3±0.05
PFCI0603H3N6□T	3.6	13	500	7.4	0.34	350	0.3±0.05
PFCI0603H3N7□T	3.7	13	500	7.4	0.34	350	0.3±0.05
PFCI0603H3N8□T	3.8	13	500	7.4	0.34	350	0.3±0.05
PFCI0603H3N9□T	3.9	13	500	6.8	0.34	350	0.3±0.05
PFCI0603H4N3□T	4.3	13	500	6.4	0.45	300	0.3±0.05
PFCI0603H4N7□T	4.7	13	500	6.4	0.46	250	0.3±0.05
PFCI0603H5N1□T	5.1	13	500	6.2	0.46	250	0.3±0.05
PFCI0603H5N6□T	5.6	13	500	6	0.48	250	0.3±0.05
PFCI0603H6N2□T	6.2	13	500	6	0.5	200	0.3±0.05
PFCI0603H6N8□T	6.8	13	500	5.4	0.5	200	0.3±0.05
PFCI0603H7N5□T	7.5	13	500	4.8	0.56	200	0.3±0.05
PFCI0603H8N2□T	8.2	13	500	4.8	0.72	200	0.3±0.05
PFCI0603H9N1□T	9.1	13	500	4.5	0.8	200	0.3±0.05
PFCI0603H10N□T	10	11	500	4.5	1.2	190	0.3±0.05
PFCI0603H12N□T	12	11	500	3.7	1.42	180	0.3±0.05
PFCI0603H15N□T	15	11	500	3.1	1.58	170	0.3±0.05
PFCI0603H18N□T	18	11	500	2.8	1.71	160	0.3±0.05
PFCI0603H22N□T	22	11	500	2.6	1.92	140	0.3±0.05
PFCI0603H24N□T	24	13	500	1.8	2	120	0.3±0.05

PFCI0603H27N□T	27	13	500	1.8	2.1	120	0.3±0.05
PFCI0603H30N□T	30	11	300	1.8	2.2	110	0.3±0.05
PFCI0603H33N□T	33	11	300	1.8	2.2	110	0.3±0.05
PFCI0603H36N□T	36	11	300	1.6	2.3	100	0.3±0.05
PFCI0603H39N□T	39	11	300	1.5	2.3	100	0.3±0.05
PFCI0603H43N□T	43	11	300	1.5	2.6	100	0.3±0.05
PFCI0603H47N□T	47	11	300	1.5	2.6	100	0.3±0.05
PFCI0603H51N□T	51	11	300	1.4	2.8	80	0.3±0.05
PFCI0603H56N□T	56	11	300	1.4	2.8	80	0.3±0.05
PFCI0603H68N□T	68	11	300	1.2	3.2	80	0.3±0.05
PFCI0603H82N□T	82	10	300	1.1	3.8	80	0.3±0.05
PFCI0603HR10□T	100	10	300	1.0	4.0	80	0.3±0.05
PFCI0603HR12□T	120	6	300	0.8	5.0	80	0.3±0.05

※□: Please specify the inductance tolerance. For L≤4.2nH, choose B=±0.1nH, C=±0.2nH or S=±0.3nH; For 4.2nH＜L＜5.6nH, choose, H=±3%, J=±5%. or S=±0.3nH； For L≥5.6nH, choose, H=±3%, J=±5%

SPECIFICATIONS 规格特性

PFCI 1005(0402) TYPE

Part Number 型号	Inductance 电感量 L	Quality Factor 品质因数 Q	L/Q Test Freq 测试频率 Freq.	Self-resonant Freq 共振频率 S.R.F	DC Resistance 直流电阻 RDC	Rated Current 额定电流 Ir	Thickness 厚度
Units 单位	nH	--	MHz	GHz	Ω	mA	mm
PFCI1005H0N6CT	0.6	4	100	10	0.1	800	0.5±0.15
PFCI1005H1N0ST	1.0	8	100	10	0.1	400	0.5±0.15
PFCI1005H1N1ST	1.1	8	100	10	0.1	400	0.5±0.15
PFCI1005H1N2ST	1.2	8	100	10	0.1	400	0.5±0.15
PFCI1005H1N3ST	1.3	8	100	10	0.1	400	0.5±0.15
PFCI1005H1N5ST	1.5	8	100	6	0.1	300	0.5±0.15
PFCI1005H1N6ST	1.6	8	100	6	0.1	300	0.5±0.15
PFCI1005H1N8ST	1.8	8	100	6	0.1	300	0.5±0.15
PFCI1005H2N0ST	2.0	8	100	6	0.2	300	0.5±0.15
PFCI1005H2N2ST	2.2	8	100	6	0.2	300	0.5±0.15
PFCI1005H2N4ST	2.4	8	100	6	0.2	300	0.5±0.15
PFCI1005H2N7ST	2.7	8	100	6	0.2	300	0.5±0.15
PFCI1005H3N0ST	3.0	8	100	6	0.2	300	0.5±0.15
PFCI1005H3N3ST	3.3	8	100	6	0.2	300	0.5±0.15
PFCI1005H3N6ST	3.6	8	100	4	0.2	300	0.5±0.15
PFCI1005H3N9ST	3.9	8	100	4	0.2	300	0.5±0.15
PFCI1005H4N3ST	4.3	8	100	4	0.2	300	0.5±0.15
PFCI1005H4N7ST	4.7	8	100	4	0.2	300	0.5±0.15
PFCI1005H5N1ST	5.1	8	100	4	0.3	300	0.5±0.15

PFCI1005H5N6ST	5.6	8	100	4	0.3	300	0.5±0.15
PFCI1005H6N2JT	6.2	8	100	3.9	0.3	300	0.5±0.15
PFCI1005H6N8JT	6.8	8	100	3.9	0.3	300	0.5±0.15
PFCI1005H7N5JT	7.5	8	100	3.7	0.4	300	0.5±0.15
PFCI1005H8N2JT	8.2	8	100	3.6	0.4	300	0.5±0.15
PFCI1005H9N1JT	9.1	8	100	3.4	0.4	300	0.5±0.15
PFCI1005H10NJT	10	8	100	3.2	0.4	300	0.5±0.15
PFCI1005H12NJT	12	8	100	2.7	0.5	300	0.5±0.15
PFCI1005H15NJT	15	8	100	2.3	0.5	300	0.5±0.15
PFCI1005H18NJT	18	8	100	2.1	0.6	300	0.5±0.15
PFCI1005H20NJT	20	8	100	2	0.6	300	0.5±0.15
PFCI1005H22NJT	22	8	100	1.9	0.6	300	0.5±0.15
PFCI1005H27NJT	27	8	100	1.6	0.7	300	0.5±0.15
PFCI1005H33NJT	33	8	100	1.3	0.8	200	0.5±0.15
PFCI1005H39NJT	39	8	100	1.2	1.0	200	0.5±0.15
PFCI1005H43NJT	43	8	100	1.1	1.1	200	0.5±0.15
PFCI1005H47NJT	47	8	100	1	1.1	200	0.5±0.15
PFCI1005H56NJT	56	8	100	0.75	1.2	200	0.5±0.15
PFCI1005H68NJT	68	8	100	0.75	1.4	180	0.5±0.15
PFCI1005H82NJT	82	8	100	0.75	2.4	150	0.5±0.15
PFCI1005HR10JT	100	8	100	0.7	2.6	150	0.5±0.15
PFCI1005HR12JT	120	8	100	0.6	2.8	150	0.5±0.15
PFCI1005HR15JT	150	8	100	0.55	3.2	100	0.5±0.15
PFCI1005HR18JT	180	8	100	0.5	3.7	100	0.5±0.15
PFCI1005HR22JT	220	8	100	0.45	4.0	100	0.5±0.15
PFCI1005HR27JT	270	8	100	0.4	4.5	100	0.5±0.15
PFCI1005HR30JT	300	8	100	0.4	4.5	100	0.5±0.15
PFCI1005HR33JT	330	6	50	0.35	7.0	50	0.5±0.15
PFCI1005HR36JT	360	6	50	0.3	7.5	50	0.5±0.15
PFCI1005HR39JT	390	6	50	0.45	8.8	50	0.5±0.15
PFCI1005HR43JT	430	6	50	0.38	9.6	50	0.5±0.15
PFCI1005HR47JT	470	6	50	0.38	9.6	50	0.5±0.15
PFCI1005HR51JT	510	6	50	0.36	10.2	50	0.5±0.15
PFCI1005HR56JT	560	6	50	0.36	10.6	50	0.5±0.15

SPECIFICATIONS 规格特性

PFCI 1608(0603) TYPE

Part Number 型号	Inductance 电感量 L	Quality Factor 品质因数 Q	L/Q Test Freq 测试频率 Freq.	Self-resonant Freq 共振频率 S.R.F	DC Resistance 直流电阻 RDC	Rated Current 额定电流 Ir	Thickness 厚度
Units 单位	nH	--	MHz	GHz	Ω	mA	mm
PFCI1608H1N0ST	1.0	8	100	10	0.05	500	0.8±0.15

PFCI1608H1N2ST	1.2	8	100	10	0.05	500	0.8±0.15
PFCI1608H1N5ST	1.5	8	100	6	0.1	500	0.8±0.15
PFCI1608H1N8ST	1.8	8	100	6	0.1	500	0.8±0.15
PFCI1608H2N2ST	2.2	8	100	6	0.1	500	0.8±0.15
PFCI1608H2N7ST	2.7	10	100	6	0.12	500	0.8±0.15
PFCI1608H3N3ST	3.3	10	100	6	0.15	500	0.8±0.15
PFCI1608H3N9ST	3.9	10	100	6	0.16	500	0.8±0.15
PFCI1608H4N7ST	4.7	10	100	6	0.2	500	0.8±0.15
PFCI1608H5N6ST	5.6	10	100	5	0.25	500	0.8±0.15
PFCI1608H6N8JT	6.8	10	100	5	0.3	500	0.8±0.15
PFCI1608H8N2JT	8.2	10	100	4.5	0.35	500	0.8±0.15
PFCI1608H10NJT	10	12	100	3.5	0.4	300	0.8±0.15
PFCI1608H12NJT	12	12	100	3	0.45	300	0.8±0.15
PFCI1608H15NJT	15	12	100	2.3	0.5	300	0.8±0.15
PFCI1608H18NJT	18	12	100	2.2	0.55	300	0.8±0.15
PFCI1608H22NJT	22	12	100	2	0.6	300	0.8±0.15
PFCI1608H27NJT	27	12	100	1.7	0.65	300	0.8±0.15
PFCI1608H33NJT	33	12	100	1.5	0.7	300	0.8±0.15
PFCI1608H39NJT	39	12	100	1.4	0.7	300	0.8±0.15
PFCI1608H47NJT	47	12	100	1.2	0.7	300	0.8±0.15
PFCI1608H56NJT	56	12	100	1.1	0.75	300	0.8±0.15
PFCI1608H68NJT	68	12	100	0.9	0.85	300	0.8±0.15
PFCI1608H82NJT	82	8	100	0.8	1	300	0.8±0.15
PFCI1608HR10JT	100	8	100	0.7	1.2	300	0.8±0.15
PFCI1608HR12JT	120	8	50	0.6	1.4	200	0.8±0.15
PFCI1608HR15JT	150	8	50	0.5	1.6	200	0.8±0.15
PFCI1608HR18JT	180	8	50	0.4	1.9	200	0.8±0.15
PFCI1608HR22JT	220	8	50	0.35	2.4	200	0.8±0.15
PFCI1608HR27JT	270	8	50	0.35	2.6	150	0.8±0.15
PFCI1608HR33JT	330	8	50	0.35	2.8	150	0.8±0.15
PFCI1608HR39JT	390	8	50	0.3	3.2	150	0.8±0.15
PFCI1608HR43JT	430	8	50	0.28	3.4	150	0.8±0.15
PFCI1608HR47JT	470	8	50	0.25	3.6	150	0.8±0.15
PFCI1608HR56JT	560	8	50	0.25	4	100	0.8±0.15
PFCI1608HR68JT	680	8	50	0.25	4.5	100	0.8±0.15

SPECIFICATIONS 规格特性

PFCI 2012(0805) TYPE

Part Number 型号	Inductance 电感量 L	Quality Factor 品质因数 Q	L/Q Test Freq 测试频率 Freq.	Self-resonant Freq 共振频率 S.R.F	DC Resistance 直流电阻 RDC	Rated Current 额定电流 Ir	Thickness 厚度
Units 单位	nH	--	MHz	GHz	Ω	mA	mm

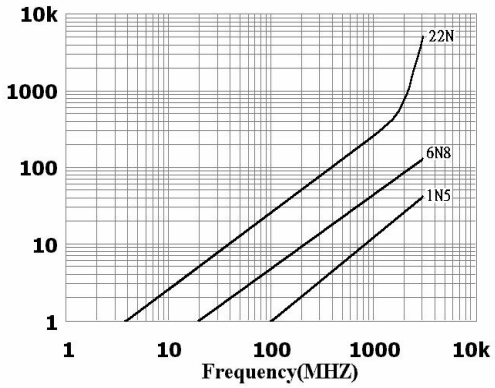
Website:www.ransioning.com E-mail:admin@ransioning.com Tel:0755-2917 5978 FAE:133 7842 9168

PFCI2012H1N0ST	1.0	10	100	10	0.1	300	0.85±0.2
PFCI2012H1N2ST	1.2	10	100	10	0.1	300	0.85±0.2
PFCI2012H1N5ST	1.5	10	100	4	0.1	300	0.85±0.2
PFCI2012H1N8ST	1.8	10	100	4	0.1	300	0.85±0.2
PFCI2012H2N2ST	2.2	10	100	4	0.1	300	0.85±0.2
PFCI2012H2N7ST	2.7	12	100	4	0.1	300	0.85±0.2
PFCI2012H3N3ST	3.3	12	100	4	0.13	300	0.85±0.2
PFCI2012H3N9ST	3.9	12	100	4	0.15	300	0.85±0.2
PFCI2012H4N7ST	4.7	12	100	3.5	0.2	300	0.85±0.2
PFCI2012H5N6ST	5.6	15	100	3.2	0.23	300	0.85±0.2
PFCI2012H6N8JT	6.8	15	100	2.8	0.25	300	0.85±0.2
PFCI2012H8N2JT	8.2	15	100	2.4	0.28	300	0.85±0.2
PFCI2012H10NJT	10	15	100	2.1	0.3	300	0.85±0.2
PFCI2012H12NJT	12	15	100	1.9	0.35	300	0.85±0.2
PFCI2012H15NJT	15	15	100	1.6	0.4	300	0.85±0.2
PFCI2012H18NJT	18	15	100	1.5	0.45	300	0.85±0.2
PFCI2012H22NJT	22	18	100	1.4	0.5	300	0.85±0.2
PFCI2012H27NJT	27	18	100	1.3	0.55	300	0.85±0.2
PFCI2012H33NJT	33	18	100	1.2	0.6	300	0.85±0.2
PFCI2012H39NJT	39	18	100	1	0.65	300	0.85±0.2
PFCI2012H47NJT	47	18	100	0.9	0.7	300	0.85±0.2
PFCI2012H56NJT	56	18	100	0.8	0.75	300	0.85±0.2
PFCI2012H68NJT	68	18	100	0.7	0.8	300	0.85±0.2
PFCI2012H82NJT	82	18	100	0.6	0.9	300	0.85±0.2
PFCI2012HR10JT	100	18	100	0.6	0.9	300	0.85±0.2
PFCI2012HR12JT	120	13	50	0.5	0.95	300	0.85±0.2
PFCI2012HR15JT	150	13	50	0.5	1	300	1.25±0.2
PFCI2012HR18JT	180	13	50	0.4	1.1	300	1.25±0.2
PFCI2012HR22JT	220	12	50	0.35	1.2	300	1.25±0.2
PFCI2012HR27JT	270	12	50	0.3	1.3	300	1.25±0.2
PFCI2012HR33JT	330	12	50	0.25	1.4	300	1.25±0.2
PFCI2012HR39JT	390	10	50	0.25	1.4	300	1.25±0.2
PFCI2012HR47JT	470	10	50	0.2	4	200	1.25±0.2
PFCI2012HR56JT	560	10	50	0.18	5	50	1.25±0.2
PFCI2012HR68JT	680	10	50	0.16	5	50	1.25±0.2

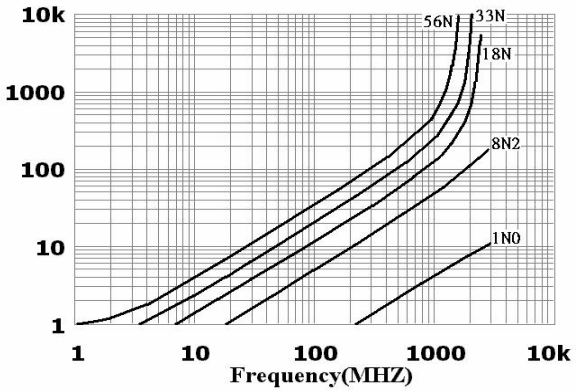
TYPICAL ELECTRICAL CHARACTERISTICS 典型电气特性

IMPEDANCE vs. FREQUENCY

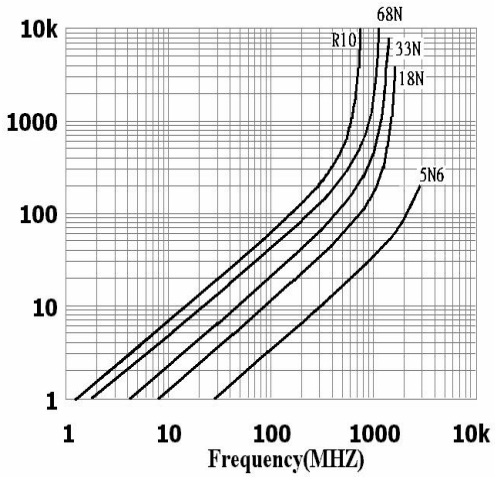
PFCI 0603(0201) TYPE



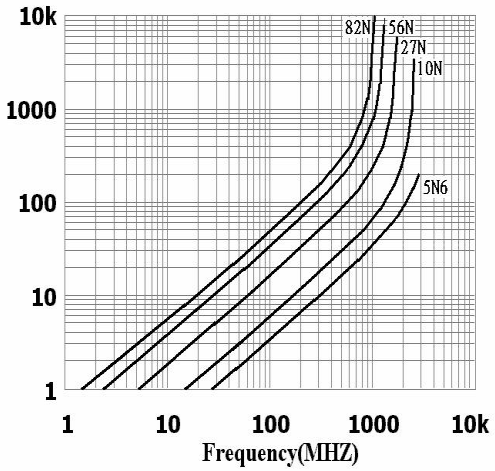
PFCI 1005(0402) TYPE



PFCI 1608(0603) TYPE



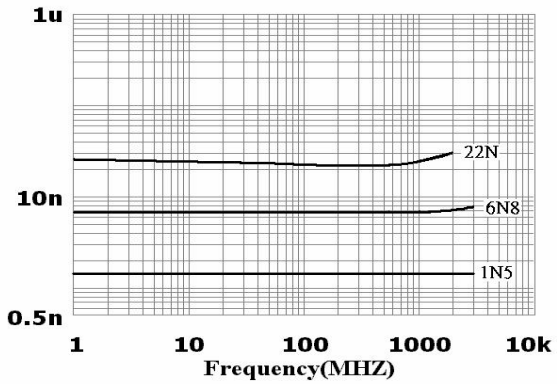
PFCI 2012(0805) TYPE



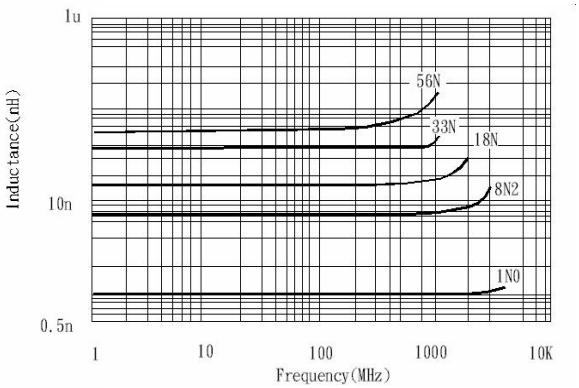
TYPICAL ELECTRICAL CHARACTERISTICS 典型电气特性

INDUCTANCE vs. FREQUENCY

PFCI 0603(0201) TYPE



PFCI 1005(0402) TYPE



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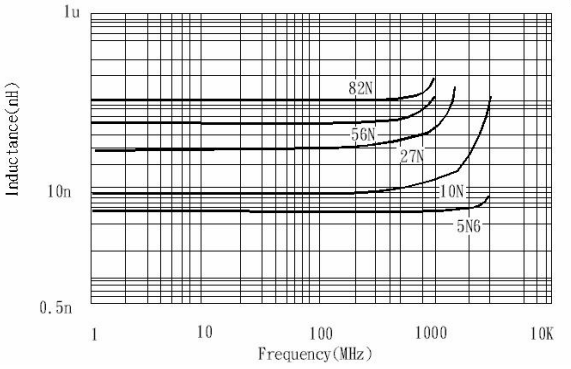
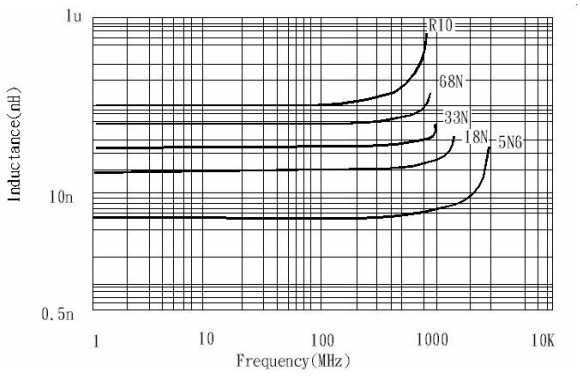


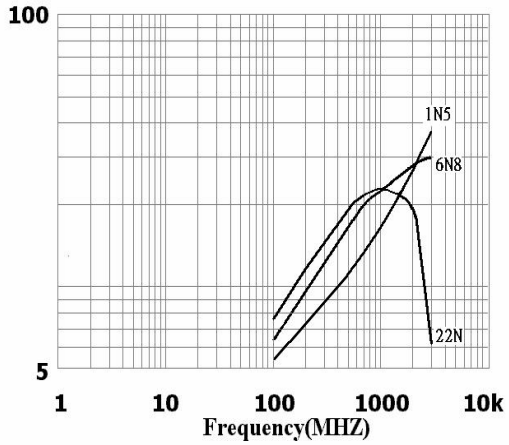
PFCI 2012(0805) TYPE



TYPICAL ELECTRICAL CHARACTERISTICS 典型电气特性

Q vs. FREQUENCY

PFCI 0603(0201) TYPE



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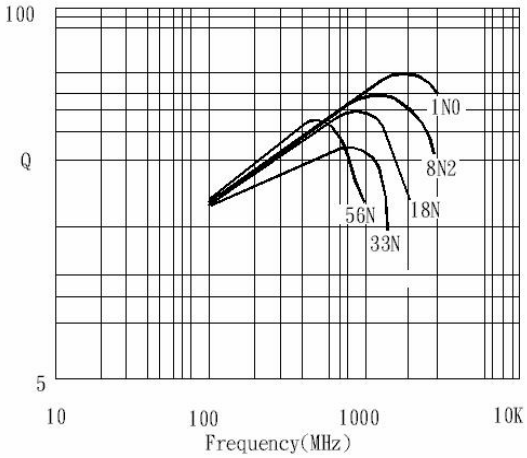

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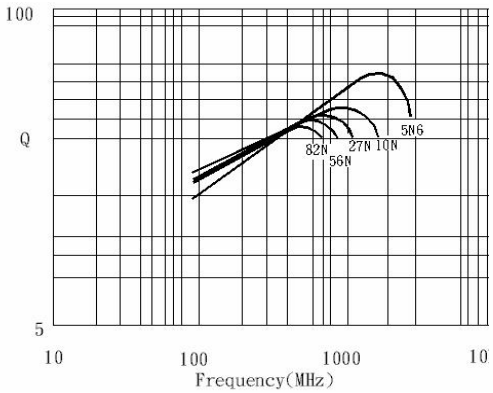

PFCI 2012(0805) TYPE