

MULTILAYER FERRITE CHIP INDUCTOR

片式铁氧体电感



PFFI SERIES



深圳嘉嵘伟业电子有限公司

SHENZHEN JIARONG WEIYE ELECTRONICS CO., LTD.

Tel: 0755-2917 5978

FAE: 133 7842 9168

Website: www.ransioning.com

E-mail: admin@ransioning.com

Multilayer Ferrite Chip Inductor-PFFI Series

片式铁氧体电感-PFFI 系列



INTRODUCTION AND CHARACTERISTICS 产品介绍及特性

INTRODUCTION	产品介绍
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◆ Multilayer Ferrite Chip Inductor is produced from magnetic material and with multilayer technology, not containing any wire windings. Ferrite paste and electric conductor paste and alternately layered and sintered into a completely monolithic structure to form an inductor with a perfectly closed magnetic circuit and an excellent magnetic shield.

◆ 积层式晶片电感采用磁性材质和积层的技术，没有任何绕线线圈；以铁氧体粉料及内电极银浆一层一层印刷再烧结生成积层式晶片电感；该积层电感是完整的单石结构，有完美的密闭式磁场回路及优良的磁性保护性能。

CHARACTERISTICS	特性
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- ◆ Monolith structure for high reliability
- ◆ Compact size inductor possible
- ◆ No cross coupling due to magnetic shield
- ◆ Perfect shape for mounting with no directionality
- ◆ Excellent solderability and high heat resistance for reflow soldering or wave soldering

- ◆ 积层独石结构、高可靠性
- ◆ 体积小
- ◆ 良好的磁屏蔽，无交叉耦合
- ◆ 无引线结构，适合表面安装
- ◆ 良好的焊接性，适合于回流焊或波峰焊

APPLICATIONS	应用产品
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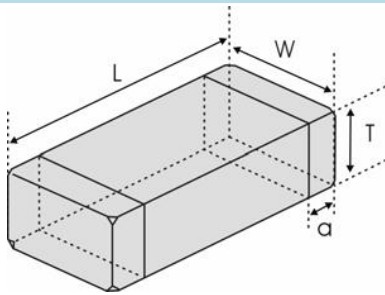
- ◆ Mother board, tablet PC, notebook, desktop computers and peripheral equipment
- ◆ DSC, DVC, LCD Television, Set Top Box
- ◆ Mobile phone, smart phone, PHD
- ◆ Digital communication equipment
- ◆ Various electronic equipment
- ◆ Various automotive electronic
- ◆ Circuit where a stable ground is unavailable

- ◆ 主机板，平板电脑，笔记型，桌上型电脑及其周边设备
- ◆ 数位相机，数位摄影机，液晶电视机，数位机上盒
- ◆ 行动电话，智能手机，个人导航设备
- ◆ 数位通讯设备
- ◆ 各式电子设备
- ◆ 各式汽车设备
- ◆ 缺乏稳定接地线路

PRODUCT IDENTIFICATION 产品型号

PFFI 2012 G 2R2 K T
 ① ② ③ ④ ⑤ ⑥

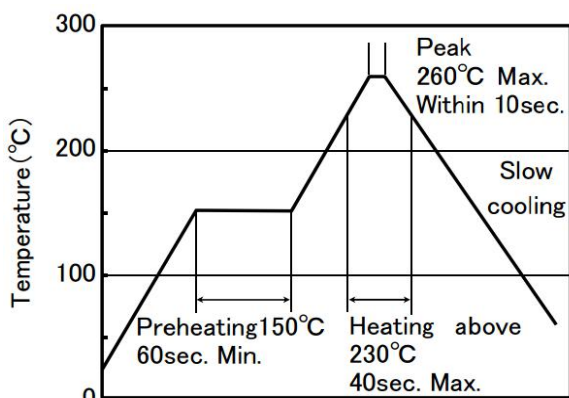
①Product Series Code 产品系列码	PFFI	Multilayer Ferrite Chip Inductor 片式铁氧体电感
②Size Code 尺寸码	2012	长×宽 (L×W) (mm) 2.0×1.2
③Material Code 材质代号	--	K,G,U,N
④Inductance Value Code 感量值	2R2	2.2uH
	330	33uH
⑤Inductance Tolerance 电感值公差	K	±10%
	M	±20%
⑥Packing 包装形式	T	Tape and Reel 编带

SHAPE AND DIMENSIONS 外观尺寸


SIZE 尺寸	L 长 mm	W 宽 mm	T 厚 mm	a 银厚 mm
1005(0402)	1.0±0.15	0.5±0.15	0.5±0.15	0.15~0.35
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	
3216(1206)	3.2±0.2	1.6±0.2	0.85±0.2	0.2~0.8
			1.1±0.2	
3225(1210)	3.2±0.2	2.5±0.2	1.3±0.3	0.6~1.0
4516(1806)	4.5±0.2	1.6±0.2	1.6±0.3	0.6~1.0
4532(1812)	4.5±0.2	3.2±0.2	1.5±0.3	0.6~1.0
			2.2±0.3	

STORAGE AND OPERATING CONDITIONS 储存及操作条件

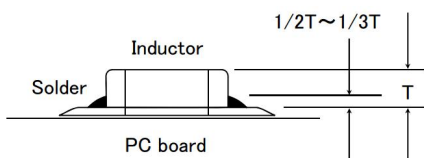
Operating Temperature Range	-40°C~+85 °C
Storage Temperature and Humidity Range	-10°C~+40°C, 70%RH max.

RECOMMENDED SOLDERING CONDITION 建议焊锡方式
REFLOW SOLDERING 回流焊


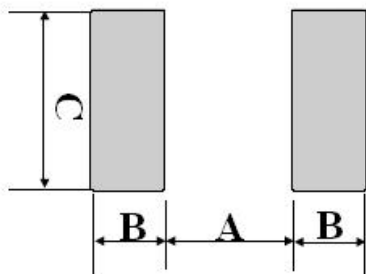
- ① Ceramic chip components should be preheated to within 100 to 130°C of the soldering.
- ② Assured to be reflow soldering for 2 times.

Caution:

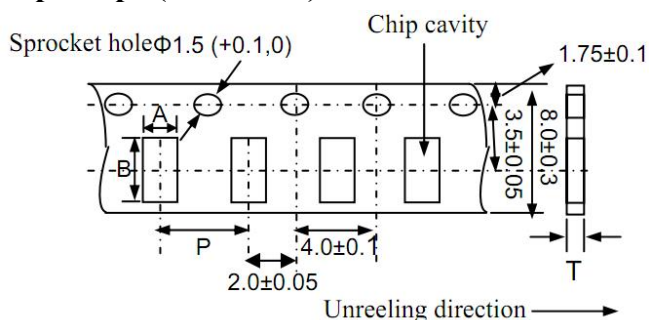
1) The ideal condition is to have solder mass (fillet) controlled to 1/2 to 1/3 of the thickness of the inductor.



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

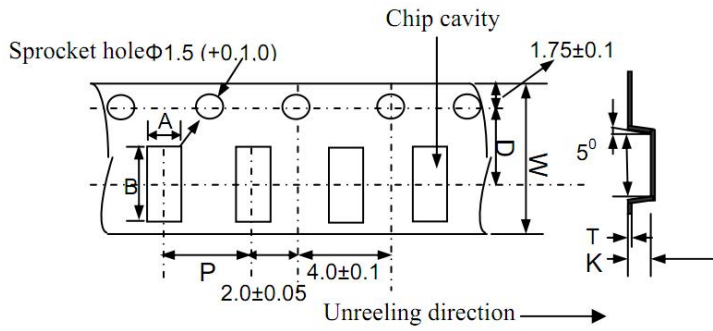
RECOMMENDED LAND PATTERN 推荐的焊盘尺寸


Dimension mm(inch)	A (mm)	B (mm)	C (mm)
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
3216(1206)	1.8~2.5	1.0~1.5	1.2~2.0
3225(1210)	1.9~2.1	1.2~1.5	2.6~2.8
4516(1806)	2.8~3.0	1.5~1.8	1.2~2.0
4532(1812)	2.8~3.0	1.5~1.8	3.3~3.6

PACKING STANDARD 包装标准
◆ Taping Dimensions
Paper tape (8mm wide)


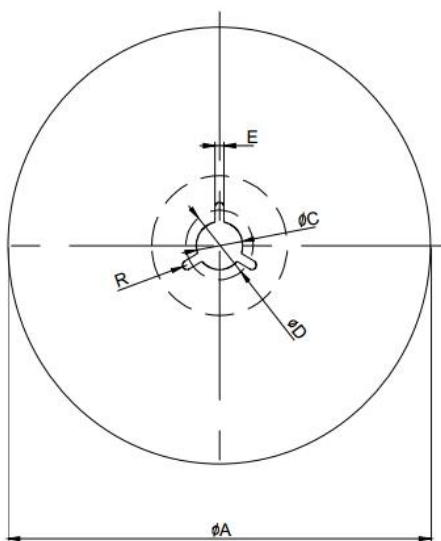
Type	Chip Thickness	A	B	P	T max.	Quantity (pcs/reel)
	(mm)					ø178mm Reel
PFFI1005	0.50	0.65	1.15	2.0	0.80	10000
PFFI1608	0.80	1.00	1.80	4.0	1.10	4000
PFFI2012	0.85	1.50	2.30	4.0	1.10	4000
PFFI3216	0.85	1.90	3.50	4.0	1.10	4000

Embossed Tape



Type	Chip Thickness	W	A	B	D	P	K max.	T max.	Quantity (pcs/reel)
	(mm)								ø178mm
PFFI2012	1.25	8	1.55	2.25	3.50	4.0	1.45	0.30	3000
PFFI3216	1.10	8	1.88	3.50	3.50	4.0	1.27	0.30	3000
PFFI3225	1.30	8	2.90	3.60	3.50	4.0	1.70	0.25	2000
PFFI4516	1.60	12	1.90	4.90	5.50	4.0	1.93	0.24	2000
PFFI4532	1.50	12	3.60	4.90	5.50	4.0	2.05	0.30	1000
	2.20	12	3.51	4.78	5.50	4.0	2.73	0.33	2500 (ø330mm)

◆ 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
PFFI 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	μ H	--	MHz	MHz	Ω	mA	mm
PFFI1005K47NMT	0.047	10	50	220	0.45	25	0.5±0.15
PFFI1005K68NMT	0.068	10	50	210	0.45	25	0.5±0.15
PFFI1005K82NMT	0.082	10	50	200	0.45	25	0.5±0.15
PFFI1005KR10KT	0.10	10	25	200	0.80	25	0.5±0.15
PFFI1005KR12KT	0.12	10	25	165	0.80	25	0.5±0.15
PFFI1005KR15KT	0.15	10	25	140	0.90	25	0.5±0.15
PFFI1005KR18KT	0.18	10	25	120	0.90	25	0.5±0.15
PFFI1005KR22KT	0.22	10	25	110	1.20	25	0.5±0.15
PFFI1005KR27KT	0.27	15	25	95	1.20	25	0.5±0.15
PFFI1005KR33KT	0.33	15	25	85	1.25	18	0.5±0.15
PFFI1005KR39KT	0.39	20	10	85	0.60	15	0.5±0.15
PFFI1005KR47KT	0.47	20	10	80	0.70	15	0.5±0.15
PFFI1005KR56KT	0.56	20	10	75	0.80	15	0.5±0.15
PFFI1005KR68KT	0.68	20	10	70	0.90	15	0.5±0.15
PFFI1005KR82KT	0.82	20	10	65	0.90	15	0.5±0.15
PFFI1005G1R0KT	1.0	20	10	40	0.90	15	0.5±0.15
PFFI1005G1R2KT	1.2	20	10	35	1.20	15	0.5±0.15
PFFI1005G1R5KT	1.5	20	10	30	1.20	15	0.5±0.15
PFFI1005G1R8KT	1.8	20	10	30	1.45	15	0.5±0.15
PFFI1005G2R2KT	2.2	20	10	28	1.70	10	0.5±0.15
PFFI1005G2R7KT	2.7	20	10	28	2.40	10	0.5±0.15
PFFI1005G3R3KT	3.3	20	10	28	2.70	10	0.5±0.15

SPECIFICATIONS 规格特性
PFFI 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	μ H	--	MHz	MHz	Ω	mA	mm
PFFI1608K47NMT	0.047	10	50	260	0.30	50	0.8±0.15
PFFI1608K68NMT	0.068	10	50	250	0.30	50	0.8±0.15
PFFI1608K82NMT	0.082	10	50	245	0.30	50	0.8±0.15
PFFI1608KR10KT	0.10	15	25	240	0.50	50	0.8±0.15
PFFI1608KR12KT	0.12	15	25	205	0.50	50	0.8±0.15
PFFI1608KR15KT	0.15	15	25	180	0.60	50	0.8±0.15

PFFI1608KR18KT	0.18	15	25	165	0.60	50	0.8±0.15
PFFI1608KR22KT	0.22	15	25	150	0.80	50	0.8±0.15
PFFI1608KR27KT	0.27	15	25	136	0.80	50	0.8±0.15
PFFI1608KR33KT	0.33	15	25	125	0.85	35	0.8±0.15
PFFI1608KR39KT	0.39	15	25	110	1.00	35	0.8±0.15
PFFI1608KR47KT	0.47	15	25	105	1.35	35	0.8±0.15
PFFI1608KR56KT	0.56	15	25	95	1.55	35	0.8±0.15
PFFI1608KR68KT	0.68	15	25	90	1.70	35	0.8±0.15
PFFI1608KR82KT	0.82	15	25	85	2.10	35	0.8±0.15
PFFI1608G1R0KT	1.0	35	10	75	0.60	25	0.8±0.15
PFFI1608G1R1KT	1.1	35	10	75	0.60	25	0.8±0.15
PFFI1608G1R2KT	1.2	35	10	65	0.80	25	0.8±0.15
PFFI1608G1R5KT	1.5	35	10	60	0.80	25	0.8±0.15
PFFI1608G1R8KT	1.8	35	10	55	0.95	25	0.8±0.15
PFFI1608G2R2KT	2.2	35	10	50	1.15	15	0.8±0.15
PFFI1608G2R7KT	2.7	35	10	45	1.35	15	0.8±0.15
PFFI1608G3R3KT	3.3	35	10	40	1.55	15	0.8±0.15
PFFI1608G3R9KT	3.9	35	10	35	1.70	15	0.8±0.15
PFFI1608G4R7KT	4.7	35	10	33	2.10	15	0.8±0.15
PFFI1608U5R6KT	5.6	35	4	22	1.55	5	0.8±0.15
PFFI1608U6R8KT	6.8	35	4	20	1.70	5	0.8±0.15
PFFI1608U8R2KT	8.2	35	4	18	2.10	5	0.8±0.15
PFFI1608N100KT	10	30	2	17	1.85	3	0.8±0.15
PFFI1608N120KT	12	30	2	15	2.10	3	0.8±0.15
PFFI1608N150KT	15	20	1	14	1.70	1	0.8±0.15
PFFI1608N180KT	18	20	1	13	1.85	1	0.8±0.15
PFFI1608N220KT	22	20	1	11	2.10	1	0.8±0.15
PFFI1608N270KT	27	20	1	10	2.75	1	0.8±0.15
PFFI1608N330KT	33	20	1	9	2.95	1	0.8±0.15

SPECIFICATIONS 规格特性
PFFI 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	μH	--	MHz	MHz	Ω	mA	mm
PFFI2012K47NMT	0.047	15	50	320	0.20	300	0.85±0.2
PFFI2012K68NMT	0.068	15	50	280	0.20	300	0.85±0.2
PFFI2012K82NMT	0.082	15	50	255	0.20	300	0.85±0.2
PFFI2012KR10KT	0.10	20	25	235	0.30	250	0.85±0.2
PFFI2012KR12KT	0.12	20	25	220	0.30	250	0.85±0.2
PFFI2012KR15KT	0.15	20	25	200	0.40	250	0.85±0.2

PFFI2012KR18KT	0.18	20	25	185	0.40	250	0.85±0.2
PFFI2012KR22KT	0.22	20	25	170	0.50	250	0.85±0.2
PFFI2012KR27KT	0.27	20	25	150	0.50	250	0.85±0.2
PFFI2012KR33KT	0.33	20	25	145	0.55	250	0.85±0.2
PFFI2012KR39KT	0.39	25	25	135	0.65	200	0.85±0.2
PFFI2012KR47KT	0.47	25	25	125	0.65	200	0.85±0.2
PFFI2012KR56KT	0.56	25	25	115	0.75	150	0.85±0.2
PFFI2012KR68KT	0.68	25	25	105	0.80	150	0.85±0.2
PFFI2012KR82KT	0.82	25	25	100	1.00	150	0.85±0.2
PFFI2012G1R0KT	1.0	45	10	75	0.40	50	0.85±0.2
PFFI2012G1R1KT	1.1	45	10	65	0.50	50	0.85±0.2
PFFI2012G1R2KT	1.2	45	10	65	0.50	50	0.85±0.2
PFFI2012G1R5KT	1.5	45	10	60	0.50	50	0.85±0.2
PFFI2012G1R8KT	1.8	45	10	55	0.60	50	0.85±0.2
PFFI2012G2R2KT	2.2	45	10	50	0.65	30	0.85±0.2
PFFI2012G2R7KT	2.7	45	10	45	0.75	30	0.85±0.2
PFFI2012G3R3KT	3.3	45	10	41	0.80	30	0.85±0.2
PFFI2012G3R9KT	3.9	45	10	38	0.90	30	0.85±0.2
PFFI2012G4R7KT	4.7	45	10	35	1.00	30	0.85±0.2
PFFI2012U5R6KT	5.6	50	4	32	0.90	15	0.85±0.2
PFFI2012U6R8KT	6.8	50	4	29	1.00	15	0.85±0.2
PFFI2012U8R2KT	8.2	50	4	26	1.10	15	0.85±0.2
PFFI2012N100KT	10	50	2	24	1.15	15	0.85±0.2
PFFI2012N120KT	12	50	2	22	1.25	15	0.85±0.2
PFFI2012N150KT	15	30	1	19	0.80	5	0.85±0.2
PFFI2012N180KT	18	30	1	18	0.90	5	0.85±0.2
PFFI2012N220KT	22	30	1	16	1.10	5	0.85±0.2
PFFI2012N270KT	27	30	1	14	1.15	5	1.25±0.2
PFFI2012N330KT	33	30	1	13	1.25	5	1.25±0.2
PFFI2012N390KT	39	35	2	8	2.90	4	1.25±0.2
PFFI2012N470KT	47	35	2	7.5	3.00	4	1.25±0.2
PFFI2012N101KT	100	25	1	7	3.10	2	1.25±0.2

SPECIFICATIONS 规格特性

PFFI 3216(1206) 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	μH	--	MHz	MHz	Ω	mA	mm
PFFI3216K47NMT	0.047	20	50	320	0.15	300	0.85±0.2
PFFI3216K68NMT	0.068	20	50	280	0.25	300	0.85±0.2
PFFI3216K82NMT	0.082	20	50	255	0.25	300	0.85±0.2

PFFI3216KR10KT	0.10	20	25	235	0.25	250	0.85±0.2
PFFI3216KR12KT	0.12	20	25	220	0.30	250	0.85±0.2
PFFI3216KR15KT	0.15	20	25	200	0.30	250	0.85±0.2
PFFI3216KR18KT	0.18	20	25	185	0.40	250	0.85±0.2
PFFI3216KR22KT	0.22	20	25	170	0.40	250	0.85±0.2
PFFI3216KR27KT	0.27	20	25	150	0.50	250	0.85±0.2
PFFI3216KR33KT	0.33	20	25	145	0.50	250	0.85±0.2
PFFI3216KR39KT	0.39	25	25	135	0.50	200	0.85±0.2
PFFI3216KR47KT	0.47	25	25	125	0.60	200	0.85±0.2
PFFI3216KR56KT	0.56	25	25	115	0.70	150	0.85±0.2
PFFI3216KR68KT	0.68	25	25	105	0.80	150	0.85±0.2
PFFI3216KR82KT	0.82	25	25	100	0.90	150	0.85±0.2
PFFI3216G1R0KT	1.0	45	10	75	0.40	100	0.85±0.2
PFFI3216G1R2KT	1.2	45	10	65	0.50	100	0.85±0.2
PFFI3216G1R5KT	1.5	45	10	60	0.50	50	0.85±0.2
PFFI3216G1R8KT	1.8	45	10	55	0.50	50	0.85±0.2
PFFI3216G2R2KT	2.2	45	10	50	0.60	50	0.85±0.2
PFFI3216G2R7KT	2.7	45	10	45	0.60	50	0.85±0.2
PFFI3216G3R3KT	3.3	45	10	41	0.70	50	0.85±0.2
PFFI3216G3R9KT	3.9	45	10	38	0.80	50	0.85±0.2
PFFI3216G4R7KT	4.7	45	10	35	0.90	50	0.85±0.2
PFFI3216U5R6KT	5.6	50	4	32	0.70	25	0.85±0.2
PFFI3216U6R8KT	6.8	50	4	29	0.80	25	0.85±0.2
PFFI3216U8R2KT	8.2	50	4	26	0.90	25	0.85±0.2
PFFI3216N100KT	10	50	2	24	1.00	25	0.85±0.2
PFFI3216N120KT	12	50	2	22	1.05	15	0.85±0.2
PFFI3216N150KT	15	35	1	19	0.70	5	0.85±0.2
PFFI3216N180KT	18	35	1	18	0.70	5	0.85±0.2
PFFI3216N220KT	22	35	1	16	0.90	5	0.85±0.2
PFFI3216N270KT	27	35	1	14	0.90	5	0.85±0.2
PFFI3216N330KT	33	35	1	13	1.05	5	1.1±0.2
PFFI3216N390KT	39	40	2	11	3.00	5	1.1±0.2
PFFI3216N470KT	47	40	2	10	3.40	5	1.1±0.2
PFFI3216N560KT	56	25	2	9.5	3.10	4	1.1±0.2
PFFI3216N680KT	68	20	1	9.5	3.40	4	1.1±0.2
PFFI3216N820KT	82	20	1	9	3.40	4	1.1±0.2
PFFI3216N101KT	100	20	1	8	3.70	4	1.1±0.2

SPECIFICATIONS 规格特性
PFFI 3225(1210) 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	μ H	--	MHz	MHz	Ω	mA	mm
PFFI3225KR10KT	0.10	20	25	235	0.25	250	1.3±0.3
PFFI3225KR12KT	0.12	20	25	220	0.30	250	1.3±0.3
PFFI3225KR15KT	0.15	20	25	200	0.30	250	1.3±0.3
PFFI3225KR18KT	0.18	20	25	185	0.40	250	1.3±0.3
PFFI3225KR22KT	0.22	20	25	170	0.40	250	1.3±0.3
PFFI3225KR27KT	0.27	20	25	150	0.50	250	1.3±0.3
PFFI3225KR33KT	0.33	20	25	145	0.60	250	1.3±0.3
PFFI3225KR39KT	0.39	25	25	135	0.50	200	1.3±0.3
PFFI3225KR47KT	0.47	25	25	125	0.60	200	1.3±0.3
PFFI3225KR56KT	0.56	25	25	115	0.70	150	1.3±0.3
PFFI3225KR68KT	0.68	25	25	105	0.80	150	1.3±0.3
PFFI3225KR82KT	0.82	25	25	100	0.90	150	1.3±0.3
PFFI3225G1R0KT	1.0	45	10	75	0.40	100	1.3±0.3
PFFI3225G1R2KT	1.2	45	10	65	0.50	100	1.3±0.3
PFFI3225G1R5KT	1.5	45	10	60	0.50	50	1.3±0.3
PFFI3225G1R8KT	1.8	45	10	55	0.50	50	1.3±0.3
PFFI3225G2R2KT	2.2	45	10	50	0.60	50	1.3±0.3
PFFI3225G2R7KT	2.7	45	10	45	0.60	50	1.3±0.3
PFFI3225G3R3KT	3.3	45	10	41	0.70	50	1.3±0.3
PFFI3225G3R9KT	3.9	45	10	38	0.80	50	1.3±0.3
PFFI3225G4R7KT	4.7	45	10	35	0.90	50	1.3±0.3
PFFI3225U5R6KT	5.6	50	4	32	0.70	25	1.3±0.3
PFFI3225U6R8KT	6.8	50	4	29	0.80	25	1.3±0.3
PFFI3225U8R2KT	8.2	50	4	26	0.90	25	1.3±0.3
PFFI3225N100KT	10	50	2	24	1.00	25	1.3±0.3
PFFI3225N120KT	12	50	2	22	1.05	15	1.3±0.3
PFFI3225N150KT	15	35	1	19	0.70	5	1.3±0.3
PFFI3225N180KT	18	35	1	18	0.70	5	1.3±0.3
PFFI3225N220KT	22	35	1	16	0.90	5	1.3±0.3
PFFI3225N270KT	27	35	1	14	0.90	5	1.3±0.3
PFFI3225N330KT	33	35	1	13	1.05	5	1.3±0.3
PFFI3225N390KT	39	40	2	11	3.00	10	1.3±0.3
PFFI3225N470KT	47	40	2	10	3.40	10	1.3±0.3
PFFI3225N560KT	56	40	2	9.5	3.80	4	1.3±0.3
PFFI3225N680KT	68	40	1	9.5	3.00	4	1.3±0.3
PFFI3225N820KT	82	40	1	9	3.40	4	1.3±0.3

PFFI3225N101KT	100	20	1	5	3.50	4	1.3±0.3
PFFI3225N121KT	120	20	1	4.5	3.60	3	1.3±0.3
PFFI3225N151KT	150	20	1	4	3.70	3	1.3±0.3
PFFI3225N181KT	180	20	1	3.5	3.80	3	1.3±0.3
PFFI3225N221KT	220	20	1	3	4.20	3	1.3±0.3

SPECIFICATIONS 规格特性
PFFI 4516(1806) 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	μ H	--	MHz	MHz	Ω	mA	mm
PFFI4516G1R0KT	1.0	35	10	60	0.40	120	1.6±0.3
PFFI4516G1R2KT	1.2	35	10	55	0.50	120	1.6±0.3
PFFI4516G1R5KT	1.5	35	10	50	0.50	70	1.6±0.3
PFFI4516G1R8KT	1.8	35	10	45	0.50	70	1.6±0.3
PFFI4516G2R2KT	2.2	35	10	40	0.60	70	1.6±0.3
PFFI4516G2R7KT	2.7	35	10	35	0.60	70	1.6±0.3
PFFI4516G3R3KT	3.3	35	10	30	0.70	70	1.6±0.3
PFFI4516G3R9KT	3.9	35	10	26	0.80	70	1.6±0.3
PFFI4516G4R7KT	4.7	35	10	24	0.80	70	1.6±0.3
PFFI4516U5R6KT	5.6	40	4	20	0.70	30	1.6±0.3
PFFI4516U6R8KT	6.8	40	4	19	0.8	30	1.6±0.3
PFFI4516U8R2KT	8.2	40	4	18	0.85	30	1.6±0.3
PFFI4516N100KT	10	40	2	17	0.90	30	1.6±0.3
PFFI4516N120KT	12	40	2	15	0.90	20	1.6±0.3
PFFI4516N150KT	15	25	1	14	0.70	10	1.6±0.3
PFFI4516N180KT	18	25	1	13	0.70	10	1.6±0.3
PFFI4516N220KT	22	25	1	12	0.90	10	1.6±0.3
PFFI4516N270KT	27	25	1	11	0.90	10	1.6±0.3
PFFI4516N330KT	33	25	1	10	1.50	10	1.6±0.3
PFFI4516N390KT	39	30	1	9	1.50	10	1.6±0.3
PFFI4516N470KT	47	30	1	8	1.50	10	1.6±0.3

PFFI 4532(1812) TYPE

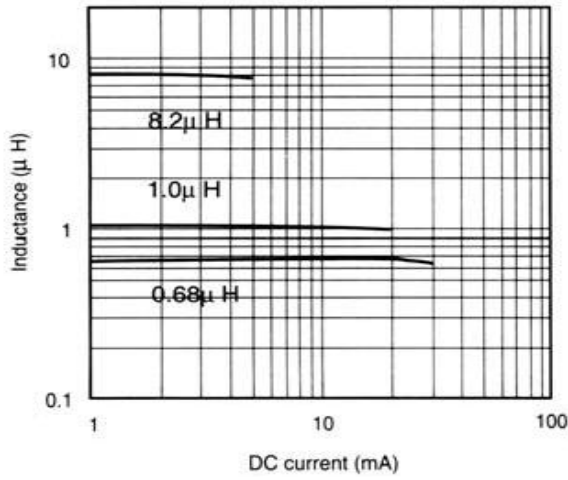
Part Number 型号	Inductance 电感量 L	Quality Factor 品质因 数 Q	L/Q Test Freq 测试频 率 Freq.	Self-resonant Freq 共振频率 S.R.F	DC Resistance 直流电阻 RDC	Rated Current 额定电 流 Ir	Thickness 厚度
Units 单位	μ H	--	MHz	MHz	Ω	mA	mm
PFFI4532K47NMT	0.047	20	50	300	0.06	350	1.5±0.3
PFFI4532K68NMT	0.068	20	50	260	0.12	350	1.5±0.3
PFFI4532K82NMT	0.082	20	50	235	0.15	350	1.5±0.3

PFFI4532KR10KT	0.10	20	25	215	0.18	300	1.5±0.3
PFFI4532KR15KT	0.15	20	25	180	0.20	300	1.5±0.3
PFFI4532KR18KT	0.18	20	25	165	0.24	300	1.5±0.3
PFFI4532KR22KT	0.22	20	25	150	0.30	300	1.5±0.3
PFFI4532KR27KT	0.27	20	25	130	0.35	300	1.5±0.3
PFFI4532KR33KT	0.33	20	25	125	0.40	300	1.5±0.3
PFFI4532KR39KT	0.39	20	25	115	0.45	250	1.5±0.3
PFFI4532KR47KT	0.47	20	25	105	0.50	250	1.5±0.3
PFFI4532KR56KT	0.56	20	25	95	0.55	200	1.5±0.3
PFFI4532KR68KT	0.68	20	25	90	0.60	200	1.5±0.3
PFFI4532KR82KT	0.82	20	25	80	0.65	200	1.5±0.3
PFFI4532G1R0KT	1.0	35	10	60	0.40	150	1.5±0.3
PFFI4532G1R2KT	1.2	35	10	55	0.50	150	1.5±0.3
PFFI4532G1R5KT	1.5	35	10	50	0.50	100	1.5±0.3
PFFI4532G1R8KT	1.8	35	10	45	0.50	100	1.5±0.3
PFFI4532G2R2KT	2.2	35	10	40	0.60	100	1.5±0.3
PFFI4532G2R7KT	2.7	35	10	35	0.60	100	1.5±0.3
PFFI4532G3R3KT	3.3	35	10	30	0.70	100	1.5±0.3
PFFI4532G3R9KT	3.9	35	10	26	0.80	100	1.5±0.3
PFFI4532G4R7KT	4.7	35	10	24	0.90	100	1.5±0.3
PFFI4532U5R6KT	5.6	40	4	20	0.70	50	1.5±0.3
PFFI4532U6R8KT	6.8	40	4	19	0.80	50	1.5±0.3
PFFI4532U8R2KT	8.2	40	4	18	0.90	50	1.5±0.3
PFFI4532N100KT	10	40	2	17	1.00	50	1.5±0.3
PFFI4532N120KT	12	40	2	15	1.05	30	1.5±0.3
PFFI4532N150KT	15	25	1	14	0.70	15	1.5±0.3
PFFI4532N180KT	18	25	1	13	0.70	15	1.5±0.3
PFFI4532N220KT	22	25	1	12	0.90	15	1.5±0.3
PFFI4532N270KT	27	25	1	11	0.90	15	1.5±0.3
PFFI4532N330KT	33	25	1	10	1.05	15	1.5±0.3
PFFI4532N390KT	39	30	1	9	3.00	15	1.5±0.3
PFFI4532N470KT	47	30	1	8	3.40	15	1.5±0.3
PFFI4532N560KT	56	30	1	7	3.40	10	1.5±0.3
PFFI4532N680KT	68	30	1	6	3.40	10	1.5±0.3
PFFI4532N820KT	82	20	1	5.5	3.40	10	1.5±0.3
PFFI4532N101KT	100	20	1	5	3.70	10	1.5±0.3
PFFI4532N121KT	120	20	1	4.5	3.70	5	1.5±0.3
PFFI4532N151KT	150	20	1	4	3.70	5	1.5±0.3
PFFI4532N181KT	180	30	1	4.5	3.80	5	1.5±0.3
PFFI4532N221KT	220	30	1	3	4.20	5	1.5±0.3

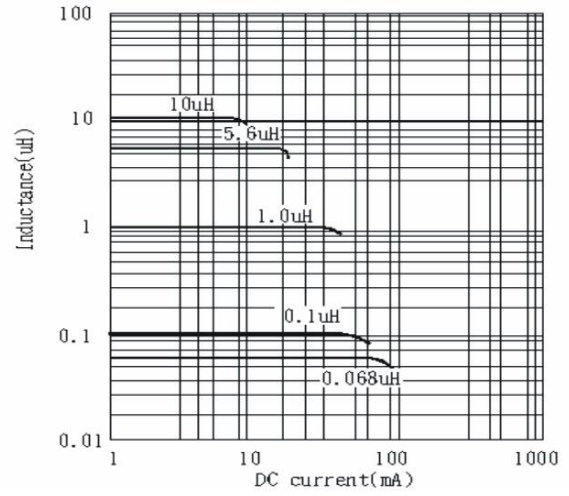
TYPICAL ELECTRICAL CHARACTERISTICS 典型电气特性

INDUCTANCE vs. DC SUPERPOSITION

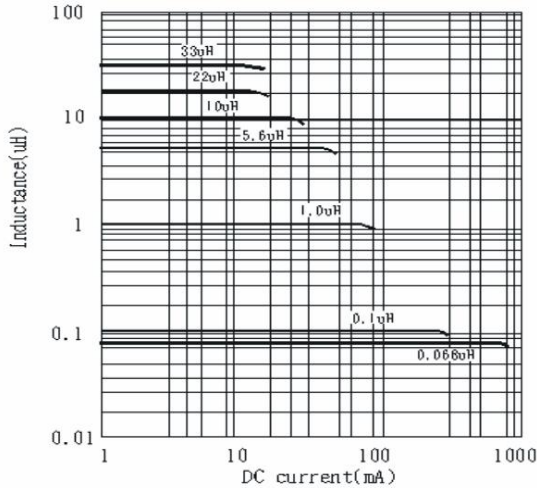
PFFI 1005(0402) TYPE



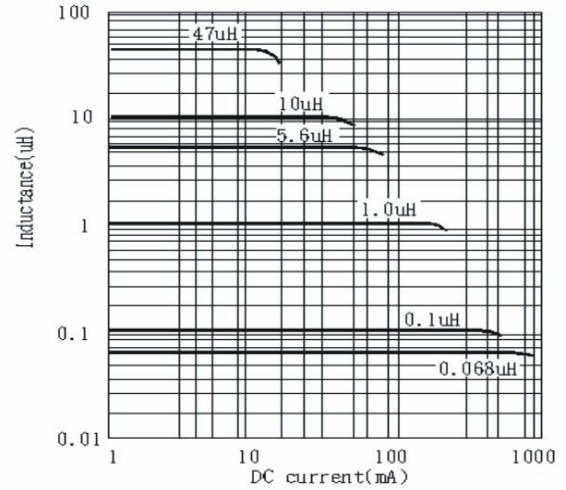
PFFI 1608(0603) TYPE



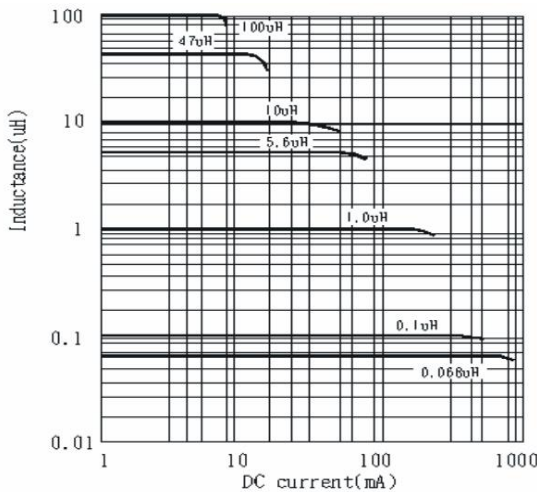
PFFI 2012(0805) TYPE



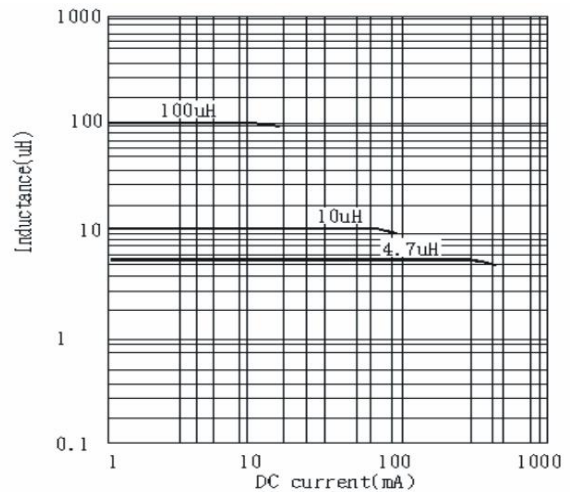
PFFI 3216(1206) TYPE



PFFI 3225(1210) TYPE

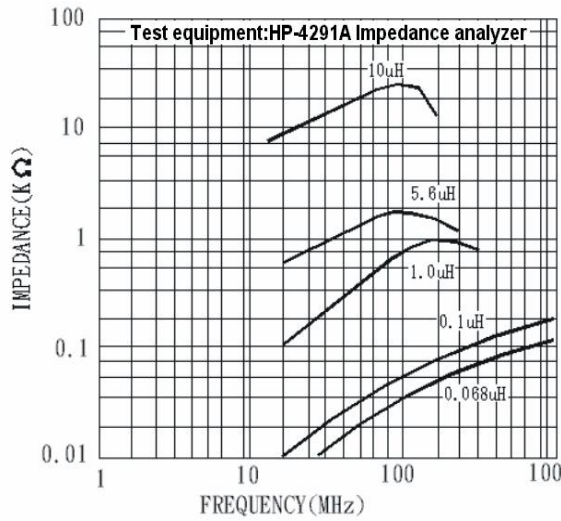


PFFI 4532(1812) TYPE

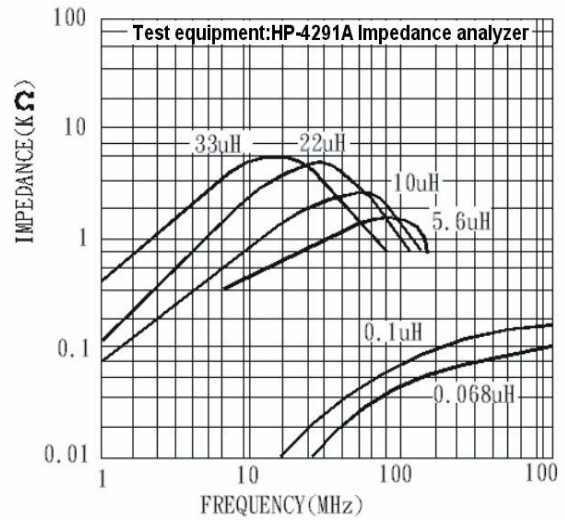


IMPEDANCE vs. FREQUENCY

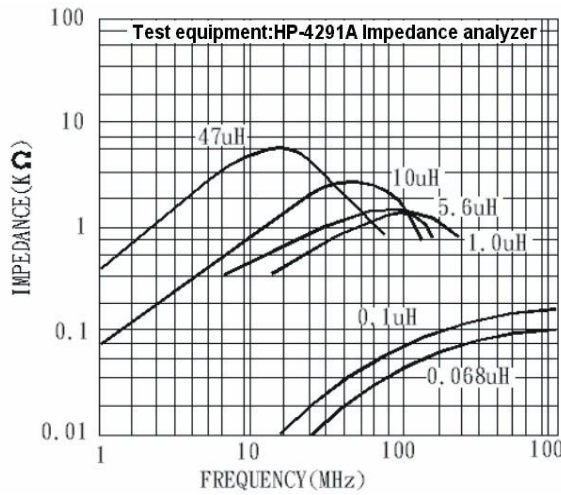
PFFI 1608(0603) TYPE



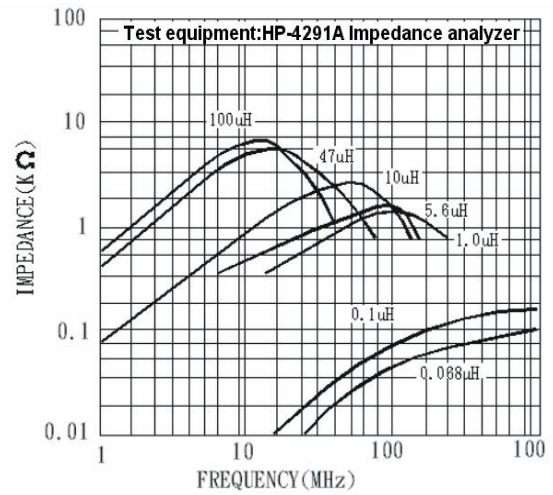
PFFI 2012(0805) TYPE



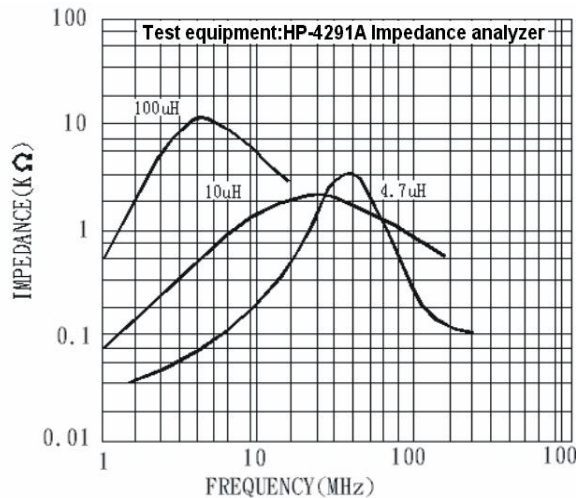
PFFI 3216(1206) TYPE



PFFI 3225(1210) TYPE

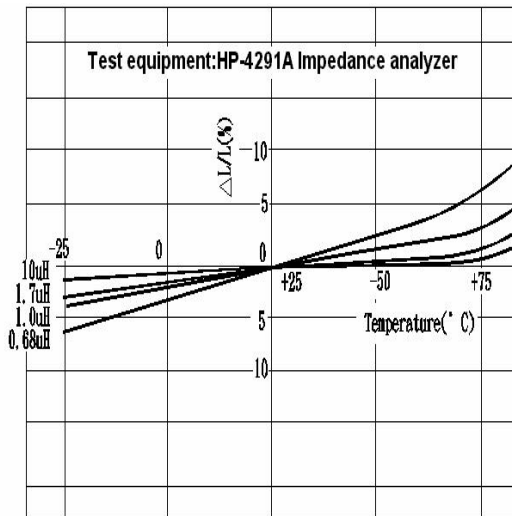


PFFI 4532(1812) TYPE

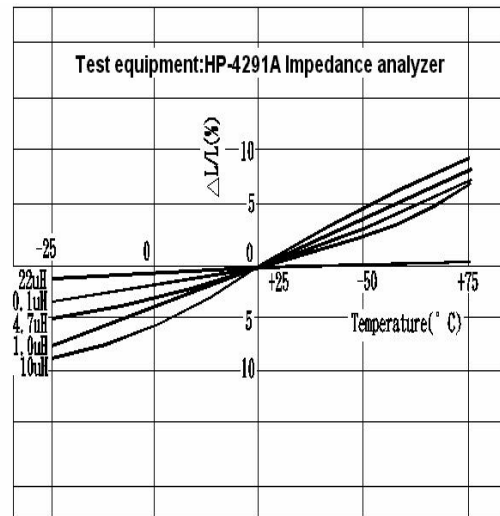


INDUCTANCE vs. TEMPERATURE

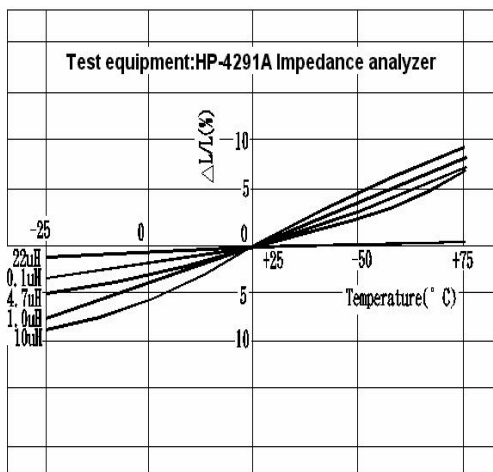
PFFI 1608(0603) TYPE



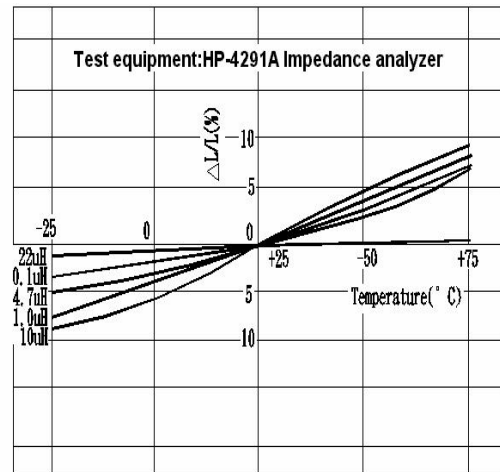
PFFI 2012(0805) TYPE



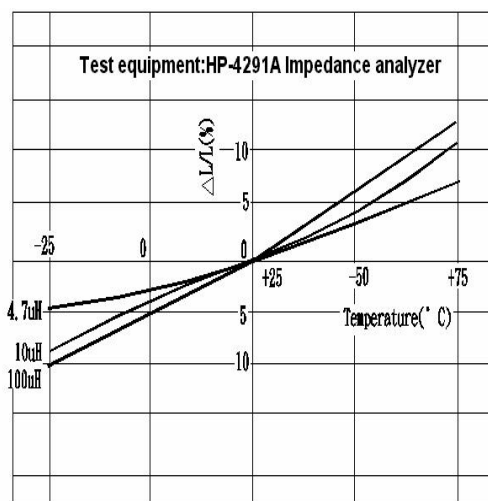
PFFI 3216(1206) TYPE



PFFI 3225(1210) TYPE



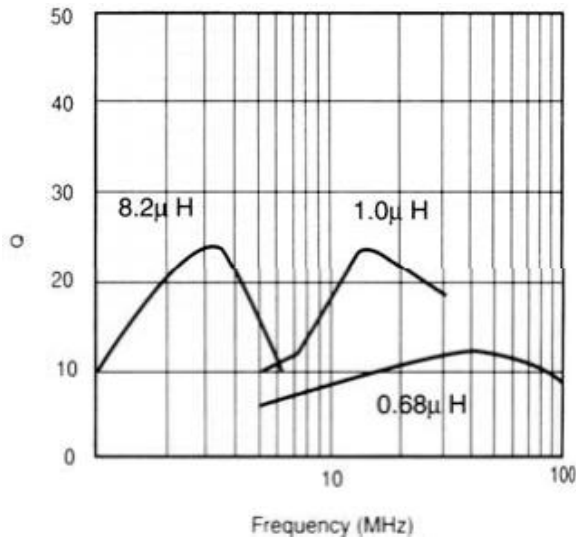
PFFI 4532(1812) TYPE



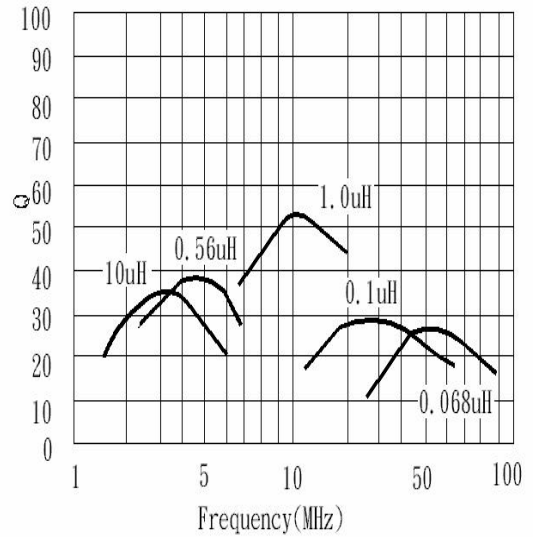
TYPICAL ELECTRICAL CHARACTERISTICS 典型电气特性

Q vs. FREQUENCY

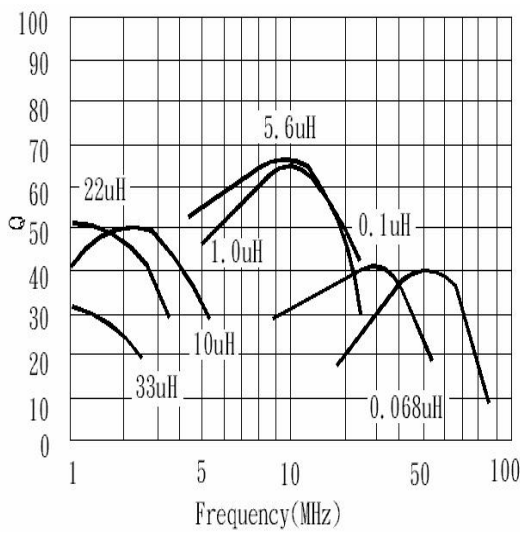
PFFI 1005(0402) TYPE



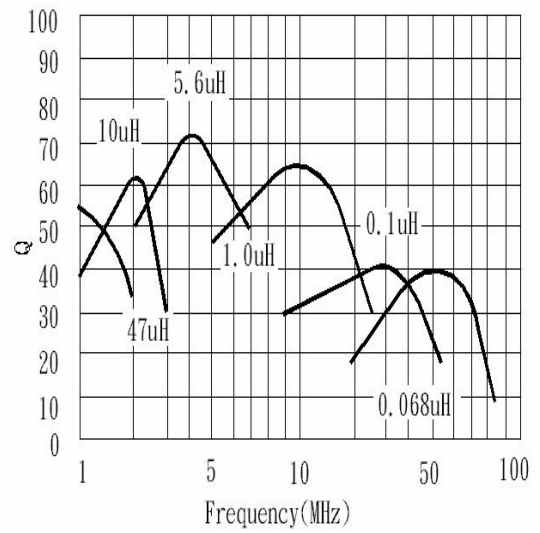
PFFI 1608(0603) TYPE



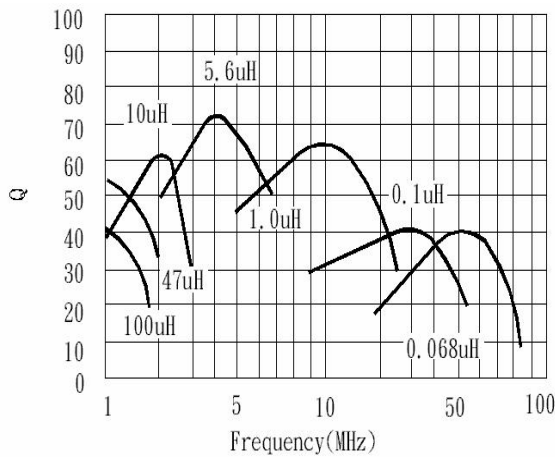
PFFI 2012(0805) TYPE



PFFI 3216(1206) TYPE



PFFI 3225(1210) TYPE



PFFI 4532(1812) TYPE

