

WIRE WOUND FERRITE CHIP INDUCTOR

绕线式铁氧体电感



PWF I SERIES



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Wire Wound Ferrite Chip Inductor-PWFI Series

绕线式铁氧体电感-PWFI 系列



INTRODUCTION AND CHARACTERISTICS 产品介绍及特性

INTRODUCTION	产品介绍
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◆PWFI Series is the newest in open type ferrite wire wound chip inductors. The wire wound ferrite construction supports higher SRF, lower DCR and superior Q values than other ferrite chip inductors.

◆PWFI 系列是最新的开放线绕式铁氧体电感，线绕式铁氧体电感的结构使其比铁氧体贴片电感有更高的共振频率、更低的直流电阻和更优的 Q 值。

CHARACTERISTICS	特性
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- ◆Minature size, suitable for SMT
- ◆low DC resistance , high current and high inductance
- ◆Using terminal electrode structure to restrain the parasitic component effect quite caused by lead
- ◆Excellent in solderability and heat resistance.

- ◆尺寸小，适合高密度表面贴装
- ◆低电阻、高电流、高感量
- ◆采用端电极结构，很好的抑制引线引起的寄生元件效应，具有高的可靠性
- ◆良好的焊接性和耐焊性

APPLICATIONS	应用产品
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- ◆Personal comple
- ◆Wireless communication equipment and various types of general electronic equipment
- ◆Test equipment

- ◆个人电脑
- ◆视听设备，无线通讯设备和各类通用电子设备
- ◆测试设备

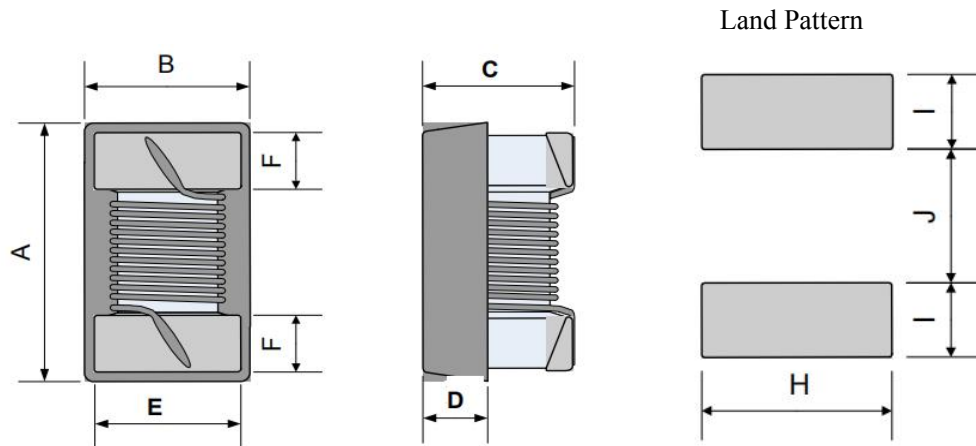
PRODUCT IDENTIFICATION 产品型号

PWFI 1005 F 1R2 □ T
 ① ② ③ ④ ⑤ ⑥

①Product Series Code 产品系列码	PWFI	Wire Wound Ferrite Chip Inductor 绕线式铁氧体电感
②Size Code 尺寸码	1005	长×宽 (L×W) (mm) 1.0×0.5
③Material Code 材质代号	F	铁氧体材料
④Inductance Value Code 感量值	1R2	1.2uH
	R12	120nH
⑤Inductance Tolerance 电感值公差	J	±5%
	K	±10%
	M	±20%
⑥Packing 包装形式	T	Tape and Reel 编带

SHAPE AND DIMENSIONS 外观尺寸

RECOMMENDED LAND PATTERN 推荐的焊盘尺寸



Unit:mm

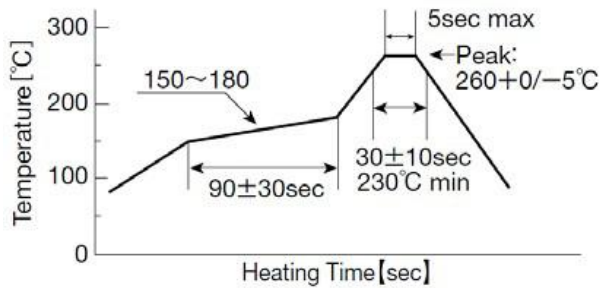
SIZE 尺寸	A Max.	B Max.	C Max.	D Typ.	E Typ.	F Typ.	H Typ.	I Typ.	J Typ.
0603(0201)	0.58	0.46	0.45	0.12	0.38	0.12	0.46	0.18	0.22
4532(1812)	4.8	3.4	3.15	1.78	2.9	0.58	3.05	1.14	3
SIZE 尺寸	A	B	C	D Typ.	E	F	H Typ.	I Typ.	J Typ.
1005(0402)	1.1±0.1	0.6±0.1	0.55±0.1	0.25	0.5±0.1	0.2±0.1	0.65	0.35	0.5
1608(0603)	1.7±0.2	1.05±0.2	0.8±0.2	0.38	0.76±0.1	0.3±0.1	1.02	0.64	0.64
SIZE 尺寸	A Max.	B Max.	C Max.	D Typ.	E	F	H Typ.	I Typ.	J Typ.
2012(0805)	2.29	1.73	1.55	0.51	1.27±0.2	0.51±0.2	1.78	1.02	0.76
2520(1008)	2.92	2.79	2.29	0.51	2.1±0.2	0.5±0.2	2.54	1.02	1.27
3216(1206)	3.56	2.16	1.52	0.51	1.6±0.2	0.5±0.2	1.93	1.02	1.78
3225(1210)	3.65	2.95	2.7	0.51	2.4±0.2	0.5±0.2	3.02	1.02	1.78

STORAGE AND OPERATING CONDITIONS 储存及操作条件

Operating Temperature Range	-40℃~+80℃
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) For reflow soldering with either leaded or lead-free solder, the profile specified in "point for controlling" is recommended.

2) Put the soldering iron on the land-pattern. Soldering iron's temperature-Below 350℃. Duration-3 seconds or less. The soldering iron should not come in contact with inductor directly.

◆CLEANING

In the case of ultrasonic cleaning, too much power output can cause excessive vibration of the PC board which may lead to the cracking of the inductor or the soldered portion, or decrease the terminal electrodes' strength. Thus the following conditions should be carefully checked;

Ultrasonic output Below 20W/ℓ

Ultrasonic frequency Below 40kHz

Ultrasonic washing period 5 min. or less

Note:

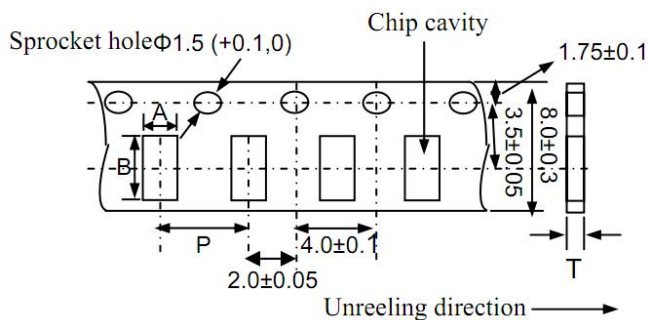
Washing by supersonic waves shall be avoided for PWFI series.

If washed by supersonic waves, the products might be broken.

PACKING STANDARD 包装标准

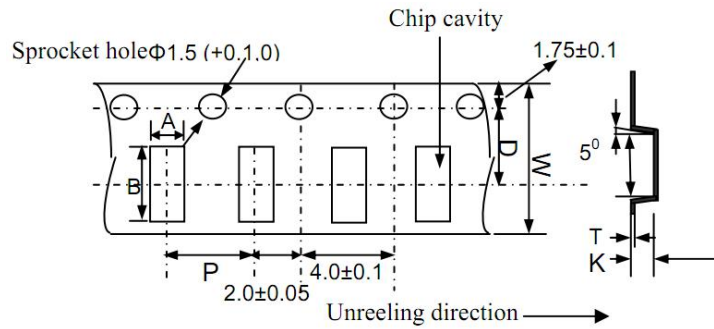
◆Taping Dimensions

Paper tape (8mm wide)



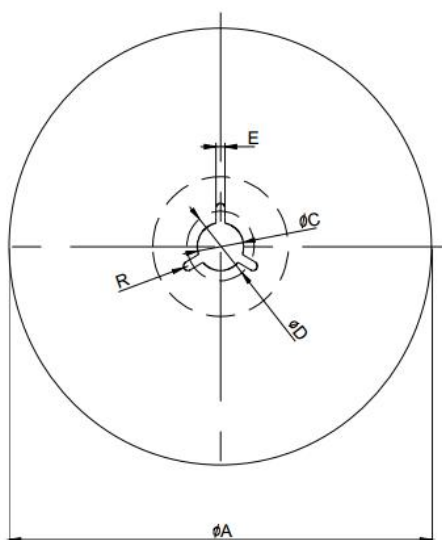
Type	Chip Thickness	A	B	P	T max.	Quantity (pcs/reel)
	(mm)					ø178mm Reel
PWFI0603	0.45	0.44	0.64	2.0	0.61	4000
PWFI1005	0.65	0.75	1.32	2.0	0.90	10000
PWFI1608	1	1.2	1.9	4.0	1.08	3000

Embossed Tape



Type	Chip Thickness	W	A	B	D	P	K max.	T max.	Quantity (pcs/reel)
	(mm)								ø178mm
PWFI2012	1.55	8.0	1.88	2.4	3.5	4.0	1.55	0.32	2000
PWFI2520	2.29	8.0	2.73	2.9	3.5	4.0	2.54	0.33	2000
PWFI3216	1.52	12.0	2.4	3.8	5.5	4.0	1.9	0.4	2000
PWFI3225	2.7	8.0	2.96	3.6	3.5	4.0	2.8	0.4	1000
PWFI4532	3.43	12.0	3.61	4.9	5.5	8.0	3.81	0.33	500

◆ 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

PWFI 0603(0201) TYPE

Part Number 型号	Inductance 电感量 L	Tolerance 公差	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
Units 单位	nH	—	--	MHz	GHz	Ω	mA
PWFI0603F2N2□T	2.2	J,K,M	5	100	3	0.09	1600
PWFI0603F6N8□T	6.8	J,K,M	6	100	2.4	0.11	950
PWFI0603F7N8□T	7.8	J,K,M	7	100	2.5	0.11	1050
PWFI0603F15N□T	15	J,K,M	7	100	2.3	0.12	750
PWFI0603F17N□T	17	J,K,M	7	100	2.4	0.13	750
PWFI0603F26N□T	26	J,K,M	7	100	2.2	0.20	750
PWFI0603F28N□T	28	J,K,M	7	100	2.4	0.20	700
PWFI0603F39N□T	39	J,K,M	7	100	2.3	0.24	580
PWFI0603F43N□T	43	J,K,M	7	100	2.2	0.24	600
PWFI0603F56N□T	56	J,K,M	7	100	2.2	0.26	550
PWFI0603F59N□T	59	J,K,M	7	100	2.2	0.26	500
PWFI0603F76N□T	76	J,K,M	7	100	2	0.30	500
PWFI0603F78N□T	78	J,K,M	7	100	2	0.30	500
PWFI0603FR10□T	100	J,K,M	7	100	1.5	0.41	430
PWFI0603FR13□T	130	J,K,M	7	100	1.5	0.44	400
PWFI0603FR16□T	160	J,K,M	7	100	1.4	0.71	350
PWFI0603FR20□T	200	J,K,M	7	100	1.4	0.95	260

SPECIFICATIONS 规格特性

PWFI 1005(0402) TYPE

Part Number 型号	Inductance 电感量 L	Tolerance 公差	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
Units 单位	nH	—	MHz	GHz	Ω	mA
PWFI1005F20N□T	20	J,K,M	7.9	2.6	0.05	1600
PWFI1005F22N□T	22	J,K,M	7.9	2.5	0.065	1300
PWFI1005F33N□T	33	J,K,M	7.9	2.3	0.06	1400
PWFI1005F36N□T	36	J,K,M	7.9	2.3	0.75	1000
PWFI1005F39N□T	39	J,K,M	7.9	2.2	0.115	830
PWFI1005F51N□T	51	J,K,M	7.9	1.93	0.07	1100
PWFI1005F56N□T	56	J,K,M	7.9	1.9	0.095	900
PWFI1005F72N□T	72	J,K,M	7.9	1.65	0.10	900
PWFI1005F78N□T	78	J,K,M	7.9	1.6	0.13	850
PWFI1005FR10□T	100	J,K,M	7.9	1.4	0.16	900



PWFI1005FR14□T	140	J,K,M	7.9	1.22	0.26	540
PWFI1005FR18□T	180	J,K,M	7.9	1.15	0.28	560
PWFI1005FR20□T	200	J,K,M	7.9	1	0.44	400
PWFI1005FR22□T	220	J,K,M	7.9	1.15	0.53	380
PWFI1005FR25□T	250	J,K,M	7.9	0.9	0.45	520
PWFI1005FR27□T	270	J,K,M	7.9	0.86	0.55	360
PWFI1005FR30□T	300	J,K,M	7.9	0.86	0.41	420
PWFI1005FR33□T	330	J,K,M	7.9	0.82	0.56	350
PWFI1005FR36□T	360	J,K,M	7.9	0.81	0.575	360
PWFI1005FR39□T	390	J,K,M	7.9	0.76	0.75	300
PWFI1005FR42□T	420	J,K,M	7.9	0.7	0.70	340
PWFI1005FR47□T	470	J,K,M	7.9	0.65	0.73	310
PWFI1005FR56□T	560	J,K,M	7.9	0.6	0.92	200

SPECIFICATIONS 规格特性**PWFI 1608(0603) TYPE**

Part Number 型号	Inductance 电感量 L	Tolerance 公差	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
Units 单位	nH	--	MHz	GHz	Ω	mA
PWFI1608F47N□T	47	J,K,M	7.9	2.35	0.06	1200
PWFI1608F51N□T	51	J,K,M	7.9	2.3	0.07	1050
PWFI1608FR10□T	100	J,K,M	7.9	1.37	0.11	850
PWFI1608FR12□T	120	J,K,M	7.9	1.34	0.18	670
PWFI1608FR15□T	150	J,K,M	7.9	1.26	0.12	820
PWFI1608FR18□T	180	J,K,M	7.9	1.06	0.19	670
PWFI1608FR20□T	200	J,K,M	7.9	1.03	0.14	740
PWFI1608FR22□T	220	J,K,M	7.9	0.85	0.20	650
PWFI1608FR24□T	240	J,K,M	7.9	0.8	0.17	690
PWFI1608FR25□T	250	J,K,M	7.9	0.91	0.17	690
PWFI1608FR27□T	270	J,K,M	7.9	0.78	0.24	630
PWFI1608FR33□T	330	J,K,M	7.9	0.73	0.29	510
PWFI1608FR39□T	390	J,K,M	7.9	0.75	0.33	490
PWFI1608FR47□T	470	J,K,M	7.9	0.67	0.37	470
PWFI1608FR50□T	500	J,K,M	7.9	0.61	0.45	410
PWFI1608FR56□T	560	J,K,M	7.9	0.59	0.51	380
PWFI1608FR62□T	620	J,K,M	7.9	0.57	0.48	390
PWFI1608FR65□T	650	J,K,M	7.9	0.55	0.61	350
PWFI1608FR68□T	680	J,K,M	7.9	0.52	0.77	310
PWFI1608FR78□T	780	J,K,M	7.9	0.48	0.83	300



PWFI1608FR82□T	820	J,K,M	7.9	0.5	0.88	290
PWFI1608F1R0□T	1000	J,K,M	7.9	0.41	0.94	280
PWFI1608F1R2□T	1200	J,K,M	7.9	0.37	1.10	260
PWFI1608F1R5□T	1500	J,K,M	7.9	0.34	1.30	240
PWFI1608F1R8□T	1800	J,K,M	7.9	0.19	1.40	230
PWFI1608F2R2□T	2200	J,K,M	7.9	0.12	1.50	220
PWFI1608F2R7□T	2700	J,K,M	7.9	0.07	1.60	210
PWFI1608F3R3□T	3300	J,K,M	7.9	0.06	1.80	200
PWFI1608F3R9□T	3900	J,K,M	7.9	0.05	1.90	190
PWFI1608F4R7□T	4700	J,K,M	7.9	0.05	2.70	160
PWFI1608F5R6□T	5600	J,K,M	7.9	0.04	3.00	150
PWFI1608F6R8□T	6800	J,K,M	7.9	0.04	4.00	130
PWFI1608F7R8□T	7800	J,K,M	7.9	0.04	4.40	120
PWFI1608F8R2□T	8200	J,K,M	7.9	0.04	4.50	110
PWFI1608F100□T	10000	J,K,M	2.5	0.03	5.00	100
PWFI1608F150□T	15000	J,K,M	2.5	0.02	9.50	90
PWFI1608F180□T	18000	J,K,M	2.5	0.02	10.40	80
PWFI1608F220□T	22000	J,K,M	2.5	0.02	11.40	70

SPECIFICATIONS 规格特性**PWFI 2012(0805) TYPE**

Part Number 型号	Inductance 电感量 L	Tolerance 公差	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
Units 单位	uH	--	--	MHz	MHz	Ω	mA
PWFI2012FR27□T	0.27	J,K,M	15	25	550	0.91	350
PWFI2012FR47□T	0.47	J,K,M	8	100	500	0.72	300
PWFI2012FR56□T	0.56	J,K,M	15	25	360	0.60	145
PWFI2012F1R0□T	1.0	J,K,M	15	7.9	63	1.20	245
PWFI2012F1R5□T	1.5	J,K,M	15	7.9	60	1.45	225
PWFI2012F1R8□T	1.8	J,K,M	15	7.9	60	1.45	200
PWFI2012F2R2□T	2.2	J,K,M	10	7.9/50	200	2.50	100
PWFI2012F3R3□T	3.3	J,K,M	15	7.9	50	2.30	175
PWFI2012F3R9□T	3.9	J,K,M	10	7.9	50	2.50	80
PWFI2012F4R7□T	4.7	J,K,M	15	7.9	43	2.80	140
PWFI2012F6R8□T	6.8	J,K,M	15	7.9	36	3.40	115
PWFI2012F8R2□T	8.2	J,K,M	10	7.9/2.5	35	4.50	100
PWFI2012F100□T	10	J,K,M	10	2.5	30	4.70	98
PWFI2012F150□T	15	J,K,M	10	2.5	23	6.50	80
PWFI2012F220□T	22	J,K,M	10	2.5	20	8.00	68



PWFI2012F330□T	33	J,K,M	10	2.5	17	10.7	60
PWFI2012F470□T	47	J,K,M	10	2.5	14	13.8	55
PWFI2012F680□T	68	J,K,M	8	2.5	11	17.5	40

SPECIFICATIONS 规格特性**PWFI 2520(1008) TYPE**

Part Number 型号	Inductance 电感量 L	Tolerance 公差	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
Units 单位	uH	--	--	MHz	MHz	Ω	mA
PWFI2520FR10□T	0.10	J,K,M	20	100	800	0.8	280
PWFI2520FR12□T	0.12	J,K,M	30	25	700	0.3	550
PWFI2520FR15□T	0.15	J,K,M	30	25	550	0.35	500
PWFI2520FR18□T	0.18	J,K,M	30	25	500	0.4	460
PWFI2520FR22□T	0.22	J,K,M	30	25	450	0.5	430
PWFI2520FR27□T	0.27	J,K,M	30	25	425	0.55	420
PWFI2520FR33□T	0.33	J,K,M	30	25	400	0.6	400
PWFI2520FR39□T	0.39	J,K,M	30	25	375	0.65	375
PWFI2520FR47□T	0.47	J,K,M	30	25	350	0.68	350
PWFI2520FR56□T	0.56	J,K,M	30	25	325	0.75	325
PWFI2520FR68□T	0.68	J,K,M	30	25	300	0.85	300
PWFI2520FR82□T	0.82	J,K,M	30	25	260	1	260
PWFI2520F1R0□T	1.0	J,K,M	30	7.9	245	1.1	245
PWFI2520F1R2□T	1.2	J,K,M	30	7.9	230	1.2	230
PWFI2520F1R5□T	1.5	J,K,M	30	7.9	182	1.3	220
PWFI2520F1R8□T	1.8	J,K,M	30	7.9	135	1.45	210
PWFI2520F2R2□T	2.2	J,K,M	30	7.9	105	1.55	200
PWFI2520F2R7□T	2.7	J,K,M	30	7.9	70	1.7	195
PWFI2520F3R3□T	3.3	J,K,M	30	7.9	55	1.9	185
PWFI2520F3R9□T	3.9	J,K,M	30	7.9	48	2.1	180
PWFI2520F4R7□T	4.7	J,K,M	30	7.9	43	2.3	175
PWFI2520F5R6□T	5.6	J,K,M	25	7.9	42	2.5	170
PWFI2520F6R8□T	6.8	J,K,M	25	7.9	39	2.7	165
PWFI2520F8R2□T	8.2	J,K,M	25	7.9	36	3.05	160
PWFI2520F100□T	10	J,K,M	25	2.5	33	3.5	155
PWFI2520F120□T	12	J,K,M	25	2.5	30	3.8	150
PWFI2520F150□T	15	J,K,M	25	2.5	26	4.4	140
PWFI2520F180□T	18	J,K,M	25	2.5	24	4.8	130
PWFI2520F220□T	22	J,K,M	25	2.5	22	5.5	125
PWFI2520F270□T	27	J,K,M	25	2.5	21	6.3	115



PWFI2520F330□T	33	J,K,M	25	2.5	20	7.1	110
PWFI2520F390□T	39	J,K,M	20	2.5	18	9.5	90
PWFI2520F470□T	47	J,K,M	20	2.5	17	11.1	80
PWFI2520F560□T	56	J,K,M	20	2.5	16	12.1	75
PWFI2520F680□T	68	J,K,M	20	2.5	15	16.6	70
PWFI2520F820□T	82	J,K,M	20	2.5	13	19	66
PWFI2520F101□T	100	J,K,M	15	0.79	12	21	60

SPECIFICATIONS 规格特性**PWFI 3216(1206) TYPE**

Part Number 型号	Inductance 电感量 L	Tolerance 公差	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
Units 单位	uH	--	--	MHz	MHz	Ω	mA
PWFI3216F1R5□T	1.5	J,K,M	25	7.9	260	1.2	320
PWFI3216F1R8□T	1.8	J,K,M	25	7.9	250	1.2	320
PWFI3216F2R2□T	2.2	J,K,M	25	7.9	240	1.3	300
PWFI3216F2R7□T	2.7	J,K,M	25	7.9	230	1.4	300
PWFI3216F3R3□T	3.3	J,K,M	25	7.9	200	1.5	280
PWFI3216F3R9□T	3.9	J,K,M	25	7.9	190	1.9	280
PWFI3216F4R7□T	4.7	J,K,M	25	7.9	170	2.2	280
PWFI3216F5R6□T	5.6	J,K,M	25	7.9	160	2.4	260
PWFI3216F6R8□T	6.8	J,K,M	25	7.9	150	2.8	240
PWFI3216F8R2□T	8.2	J,K,M	25	7.9	130	3.1	220
PWFI3216F100□T	10	J,K,M	25	7.9	120	4.0	200
PWFI3216F120□T	12	J,K,M	18	2.5	110	4.6	200
PWFI3216F150□T	15	J,K,M	16	2.5	90	8.2	160
PWFI3216F180□T	18	J,K,M	16	2.5	80	9.0	130

PWFI 3225(1210) TYPE

Part Number 型号	Inductance 电感量 L	Tolerance 公差	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
Units 单位	uH	--	--	MHz	MHz	Ω	mA
PWFI3225FR12□T	0.12	J,K,M	30	25	500	0.22	450
PWFI3225FR15□T	0.15	J,K,M	30	25	450	0.25	450
PWFI3225FR18□T	0.18	J,K,M	30	25	400	0.28	450
PWFI3225FR22□T	0.22	J,K,M	30	25	350	0.32	450
PWFI3225FR27□T	0.27	J,K,M	30	25	320	0.36	450
PWFI3225FR33□T	0.33	J,K,M	30	25	300	0.4	450



PWFI3225FR39□T	0.39	J,K,M	30	25	250	0.45	450
PWFI3225FR47□T	0.47	J,K,M	30	25	220	0.5	450
PWFI3225FR56□T	0.56	J,K,M	30	25	180	0.55	450
PWFI3225FR68□T	0.68	J,K,M	30	25	160	0.6	450
PWFI3225FR82□T	0.82	J,K,M	30	25	140	0.65	450
PWFI3225F1R0□T	1.0	J,K,M	30	7.9	120	0.7	400
PWFI3225F1R2□T	1.2	J,K,M	30	7.9	100	0.75	390
PWFI3225F1R5□T	1.5	J,K,M	30	7.9	85	0.85	370
PWFI3225F1R8□T	1.8	J,K,M	30	7.9	80	0.9	350
PWFI3225F2R2□T	2.2	J,K,M	30	7.9	75	1	320
PWFI3225F2R7□T	2.7	J,K,M	30	7.9	70	1.1	290
PWFI3225F3R3□T	3.3	J,K,M	30	7.9	60	1.2	260
PWFI3225F3R9□T	3.9	J,K,M	30	7.9	55	1.3	250
PWFI3225F4R7□T	4.7	J,K,M	30	7.9	50	1.5	220
PWFI3225F5R6□T	5.6	J,K,M	30	7.9	45	1.6	200
PWFI3225F6R8□T	6.8	J,K,M	30	7.9	40	1.8	180
PWFI3225F8R2□T	8.2	J,K,M	30	7.9	35	2	170
PWFI3225F100□T	10	J,K,M	30	2.5	30	2.1	150
PWFI3225F120□T	12	J,K,M	30	2.5	20	2.5	140
PWFI3225F150□T	15	J,K,M	30	2.5	20	2.8	130
PWFI3225F180□T	18	J,K,M	30	2.5	20	3.3	120
PWFI3225F220□T	22	J,K,M	30	2.5	20	3.7	110
PWFI3225F270□T	27	J,K,M	30	2.5	20	5	80
PWFI3225F330□T	33	J,K,M	30	2.5	17	5.6	70
PWFI3225F390□T	39	J,K,M	30	2.5	16	6.4	65
PWFI3225F470□T	47	J,K,M	30	2.5	15	7	60
PWFI3225F560□T	56	J,K,M	30	2.5	13	8	55
PWFI3225F680□T	68	J,K,M	30	2.5	12	9	50
PWFI3225F820□T	82	J,K,M	30	2.5	11	10	45
PWFI3225F101□T	100	J,K,M	20	0.79	10	11	40
PWFI3225F151□T	150	J,K,M	15	0.79	5	6.1	120
PWFI3225F181□T	180	J,K,M	15	0.79	4	8	105
PWFI3225F221□T	220	J,K,M	15	0.79	4	8.4	100
PWFI3225F331□T	330	J,K,M	15	0.79	3.5	12.3	80
PWFI3225F391□T	390	J,K,M	15	0.79	2.8	17.6	75
PWFI3225F471□T	470	J,K,M	15	0.79	2.8	22	75
PWFI3225F561□T	560	J,K,M	15	0.79	2.5	23	65
PWFI3225F681□T	680	J,K,M	15	0.79	2	28	65

SPECIFICATIONS 规格特性

PWFI 4532(1812) TYPE

Part Number 型号	Inductance 电感量 L	Tolerance 公差	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
Units 单位	uH	—	--	MHz	MHz	Ω	mA
PWFI4532FR10□T	0.10	J,K,M	35	25	300	0.18	800
PWFI4532FR12□T	0.12	J,K,M	35	25	280	0.2	770
PWFI4532FR15□T	0.15	J,K,M	35	25	250	0.22	730
PWFI4532FR18□T	0.18	J,K,M	35	25	220	0.24	700
PWFI4532FR22□T	0.22	J,K,M	40	25	200	0.25	665
PWFI4532FR27□T	0.27	J,K,M	40	25	180	0.26	635
PWFI4532FR33□T	0.33	J,K,M	40	25	165	0.28	605
PWFI4532FR39□T	0.39	J,K,M	40	25	150	0.3	575
PWFI4532FR47□T	0.47	J,K,M	40	25	145	0.32	545
PWFI4532FR56□T	0.56	J,K,M	40	25	140	0.36	520
PWFI4532FR68□T	0.68	J,K,M	40	25	135	0.4	500
PWFI4532FR82□T	0.82	J,K,M	40	25	130	0.45	475
PWFI4532F1R0□T	1.0	J,K,M	50	7.9	100	0.5	450
PWFI4532F1R2□T	1.2	J,K,M	50	7.9	80	0.55	430
PWFI4532F1R5□T	1.5	J,K,M	50	7.9	70	0.6	410
PWFI4532F1R8□T	1.8	J,K,M	50	7.9	60	0.65	390
PWFI4532F2R2□T	2.2	J,K,M	50	7.9	55	0.7	380
PWFI4532F2R7□T	2.7	J,K,M	50	7.9	50	0.75	370
PWFI4532F3R3□T	3.3	J,K,M	50	7.9	45	0.8	355
PWFI4532F3R9□T	3.9	J,K,M	50	7.9	40	0.9	330
PWFI4532F4R7□T	4.7	J,K,M	50	7.9	35	1	315
PWFI4532F5R6□T	5.6	J,K,M	50	7.9	33	1.1	300
PWFI4532F6R8□T	6.8	J,K,M	50	7.9	27	1.2	285
PWFI4532F8R2□T	8.2	J,K,M	50	7.9	25	1.4	270
PWFI4532F100□T	10	J,K,M	50	2.5	20	1.6	250
PWFI4532F120□T	12	J,K,M	50	2.5	18	2	225
PWFI4532F150□T	15	J,K,M	50	2.5	17	2.5	200
PWFI4532F180□T	18	J,K,M	50	2.5	15	2.8	190
PWFI4532F220□T	22	J,K,M	50	2.5	13	3.2	180
PWFI4532F270□T	27	J,K,M	50	2.5	12	3.6	170
PWFI4532F330□T	33	J,K,M	50	2.5	11	4	160
PWFI4532F390□T	39	J,K,M	50	2.5	10	4.5	150
PWFI4532F470□T	47	J,K,M	50	2.5	10	5	140
PWFI4532F560□T	56	J,K,M	50	2.5	9.0	5.5	135

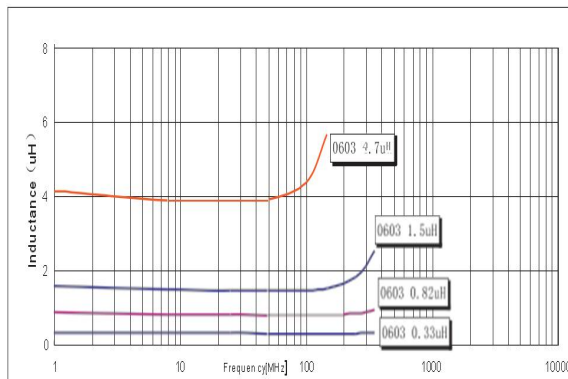
SPECIFICATIONS 规格特性
PWFI 4532(1812) TYPE

Part Number 型号	Inductance 电感量 L	Tolerance 公差	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
Units 单位	uH	—	--	MHz	MHz	Ω	mA
PWFI4532F680□T	68	J,K,M	50	2.5	9.0	6	130
PWFI4532F820□T	82	J,K,M	50	2.5	8.0	7	120
PWFI4532F101□T	100	J,K,M	40	0.79	8.0	8	110
PWFI4532F121□T	120	J,K,M	40	0.79	6.0	8	110
PWFI4532F151□T	150	J,K,M	40	0.79	5.0	9	105
PWFI4532F181□T	180	J,K,M	40	0.79	5.0	9.5	102
PWFI4532F221□T	220	J,K,M	40	0.79	4.0	10	100
PWFI4532F271□T	270	J,K,M	40	0.79	4.0	12	92
PWFI4532F331□T	330	J,K,M	40	0.79	3.5	14	85
PWFI4532F391□T	390	J,K,M	40	0.79	3.0	18	80
PWFI4532F471□T	470	J,K,M	40	0.79	3.0	26	62
PWFI4532F561□T	560	J,K,M	30	0.79	3.0	30	50
PWFI4532F681□T	680	J,K,M	30	0.79	3.0	30	50
PWFI4532F821□T	820	J,K,M	30	0.79	2.5	35	50
PWFI4532F102□T	1000	J,K,M	20	0.79	2.5	40	50

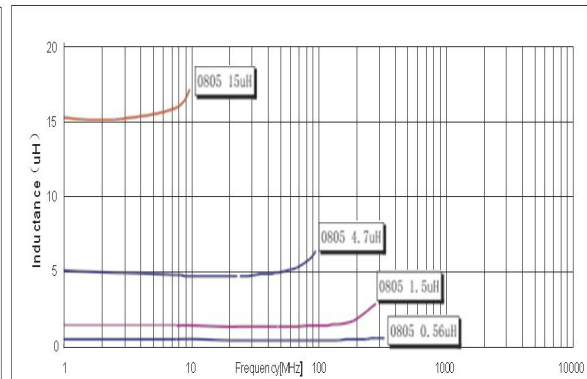
TYPICAL ELECTRICAL CHARACTERISTICS 典型电气特性

INDUCTANCE vs. FREQUENCY

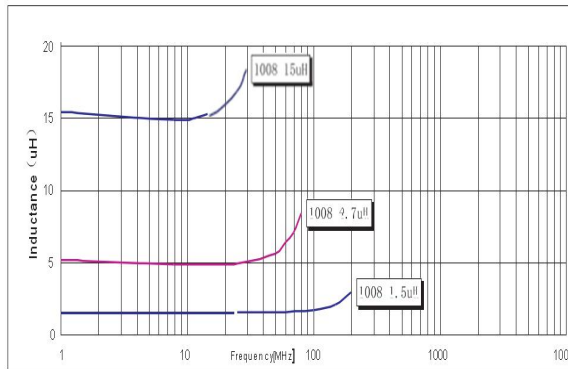
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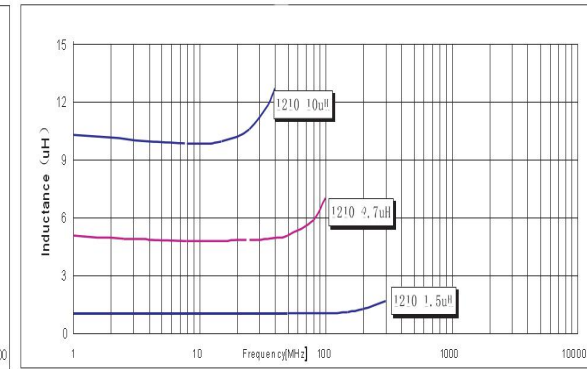
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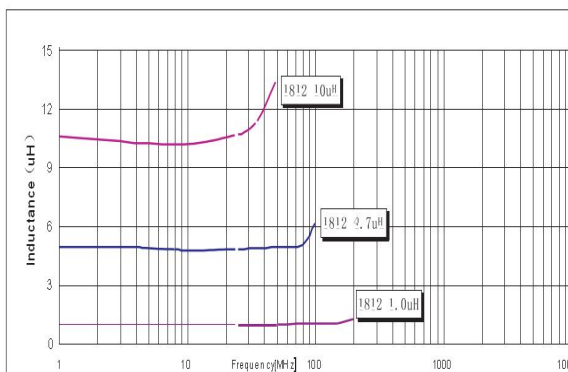
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PWFI 3225(1210) TYPE



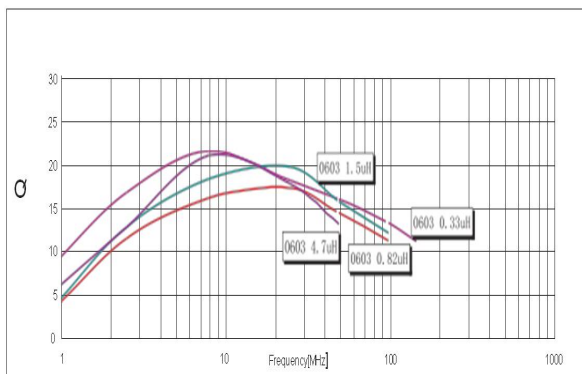
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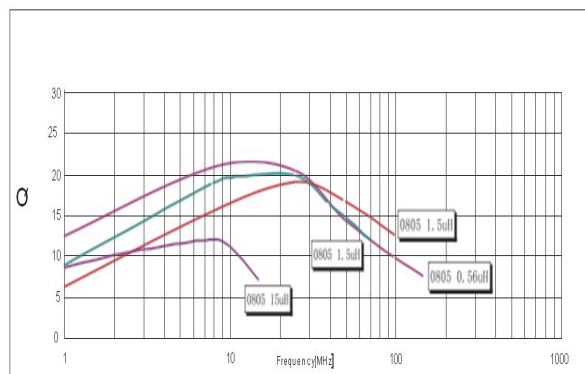
TYPICAL ELECTRICAL CHARACTERISTICS 典型电气特性

Q vs. FREQUENCY

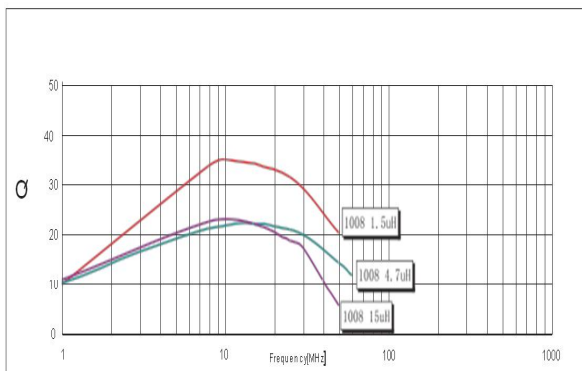
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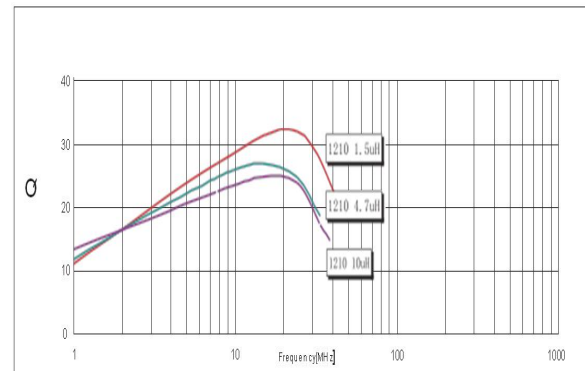
PWFI 2012(0805) TYPE



PWFI 2520(1008) TYPE



PWFI 3225(1210) TYPE



PWFI 4532(1812) TYPE

