

# 叠层片式铁氧体大电流磁珠—PB系列

## Multilayer Chip Ferrite Large Current Bead – PB Series

Operating Temp.: -40°C ~ +85°C



### 特征

- 内部印有银电极的叠层结构，铁氧体屏蔽无串扰。
- 具有较大的额定电流，允许的最大电流为6A。
- 在较宽的频率范围内具有优良的EMI抑制效果。
- 两种铁氧体材料、阻抗范围宽，适用于不同的电路。

### FEATURES

- Internal silver printed layers and magnetic shielded structures to minimize crosstalk.
- Large withstand voltage (allowable current: up to 6A).
- Can be used in a wide range of frequency to suppress EMI.
- Two types material and wide range of impedance values for various applications.

### 用途

- 数字视听产品、车用电子设备、通讯设备、OA设备和其它。

### APPLICATIONS

- Video/ audio equipment, automotive electrical equipment, communication equipment, OA equipment, etc.

### 产品型号

### PRODUCT IDENTIFICATION

PB

①

1608

②

U

③

121

④

-1R0

⑤

T

⑥

F

⑦

①

分类 Type	
PB	片式铁氧体大电流磁珠 Chip Ferrite Bead For Large Current

外形尺寸(L×W) (mm) External Dimensions (L×W) (mm)	
1005 [0402]	1.0×0.5
1608 [0603]	1.6×0.8
2012 [0805]	2.0×1.25
3216 [1206]	3.2×1.6

材料代号 Material Code	
D, U	

④

公称阻抗值 Nominal Impedance	
Example	Nominal Value
300	30Ω
121	120Ω
102	1000Ω

⑤

额定电流值 Rated Current	
1R0	1.0A
2R5	2.5A
R60	0.6A

⑥

包装 Packing	
B	散装 Bulk Package
T	编带 Tape & Reel

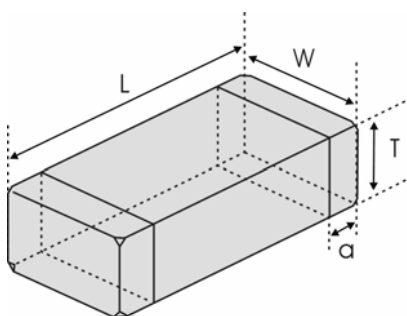
⑦

无有害物质产品 Hazardous Substance Free Products	
F	

### 外观尺寸

### SHAPE AND DIMENSIONS

Unit: mm [inch]



Type	L	W	T	a
PB1005 [0402]	1.0±0.15 [.039±.006]	0.5±0.15 [.020±.006]	0.5±0.15 [.020±.006]	0.25±0.1 [.010±.004]
PB1608 [0603]	1.6±0.15 [.063±.006]	0.8±0.15 [.031±.006]	0.8±0.15 [.031±.006]	0.3±0.2 [.012±.008]
PB2012 [0805]	2.0 (+0.3, -0.1) [.079 (+.012, -.004)]	1.25±0.2 [.049±.008]	0.85±0.2 [.033±.008] 1.25±0.2 [.049±.008]	0.5±0.3 [.020±.012]
PB3216 [1206]	3.2±0.2 [.126±.008]	1.6±0.2 [.063±.008]	0.85±0.2 [.033±.008] 1.1±0.2 [.043±.008]	0.5±0.3 [.020±.012]

## PB1005 TYPE

Part Number 型号	Impedance 阻抗	Z Test Frequency 阻抗的测试频率	Max.DCResistance 直流电阻	Max.Rated Current 额定电流	Thickness 厚度
Units 单位	$\Omega$	MHz	$\Omega$	mA	mm [inch]
Symbol 符号	Z	Freq.	DCR	Ir	T
PB1005D100	0~30	100	0.05	1000	0.5±0.15 [.020±.006]

## PB1608 TYPE

Part Number 型号	Impedance 阻抗	Z Test Frequency 阻抗的测试频率	Max.DCResistance 直流电阻	Max. RatedCurrent 额定电流	Thickness 厚度
Units 单位	$\Omega$	MHz	$\Omega$	mA	mm [inch]
Symbol 符号	Z	Freq.	DCR	Ir	T
PB1608D300	30±25%	100	0.03	3000	0.8±0.15 [.031±.006]
PB1608D600	60±25%	100	0.08	2000	
PB1608D750	75±25%	100	0.15	1000	
PB1608D121	120±25%	100	0.20	1000	
PB1608D221	220±25%	100	0.20	1000	
PB1608D601	600±25%	100	0.35	500	
PB1608U100	0~15	100	0.02	3000	
PB1608U300	30±25%	100	0.03	3000	
PB1608U600	60±25%	100	0.08	2000	
PB1608U121	120±25%	100	0.10	1000	
PB1608U221	220±25%	100	0.15	800	
PB1608U301	300±25%	100	0.20	600	

## PB2012 TYPE

Part Number 型号	Impedance 阻抗	Z Test Frequency 阻抗的测试频率	Max.DC Resistance 直流电阻	Max.Rated Current 额定电流	Thickness 厚度
Units 单位	$\Omega$	MHz	$\Omega$	mA	mm [inch]
Symbol 符号	Z	Freq.	DCR	Ir	T
PB2012D390	39±25%	100	0.02	4000	0.85±0.2 [.033±.008]
PB2012D800	80±25%	100	0.04	3000	
PB2012D121	120±25%	100	0.06	2500	
PB2012D221	220±25%	100	0.08	1500	
PB2012D301	300±25%	100	0.12	1500	
PB2012D471	470±25%	100	0.25	800	
PB2012D601	600±25%	100	0.25	500	
PB2012U300	30±25%	100	0.02	3000	
PB2012U600	60±25%	100	0.025	3000	
PB2012U121	120±25%	100	0.04	2500	
PB2012U221	220±25%	100	0.07	2000	
PB2012U301	300±25%	100	0.10	1500	
PB2012U421	420±25%	100	0.20	1000	
PB2012U601	600±25%	100	0.25	500	

Note: The thickness of PB2012 series may be increased to 1.25±0.2 mm when the Ir of product increased.

## PB3216 TYPE

Part Number 型号	Impedance 阻抗	Z Test Frequency 阻抗的测试频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流	Thickness 厚度
Units 单位	$\Omega$	MHz	$\Omega$	mA	mm [inch]
Symbol 符号	Z	Freq.	DCR	Ir	T
PB3216D380	38±25%	100	0.015	5000	0.85±0.2 [.033±.008]
PB3216D600	60±25%	100	0.01	4000	
PB3216D121	120±25%	100	0.04	2500	
PB3216D501	500±25%	100	0.07	2000	
PB3216D601	600±25%	100	0.20	1000	

**PB3216 TYPE**

Part Number 型号	Impedance 阻抗	Z Test Frequency 阻抗的测试频率	Max. DC Resistance 直流电阻	Max. Rated Current 额定电流	Thickness 厚度
Units 单位	$\Omega$	MHz	$\Omega$	mA	mm [inch]
Symbol 符号	Z	Freq.	DCR	I <sub>r</sub>	T
PB3216U300	30±25%	100	0.01	6000	0.85±0.2 [.033±.008]
PB3216U600	60±25%	100	0.025	4000	
PB3216U121	120±25%	100	0.03	3000	
PB3216U221	220±25%	100	0.08	2000	
PB3216U301	300±25%	100	0.10	2000	
PB3216U421	420±25%	100	0.15	1500	
PB3216U601	600±25%	100	0.20	1000	
PB3216U102	1000±25%	100	0.30	500	

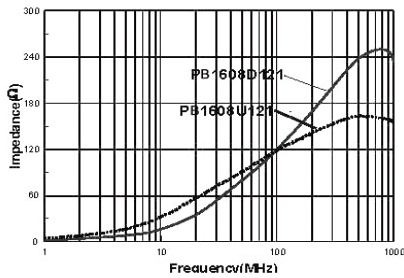
Note: The thickness of PB3216 series may be increased to 1.1±0.2 mm when the I<sub>r</sub> of product increased.

※: Products with other electrical characteristics can be provided upon customer's request. Please contact your local sales.

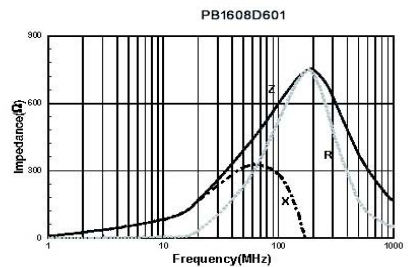
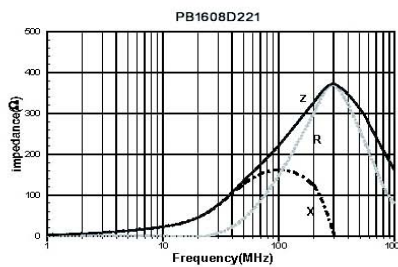
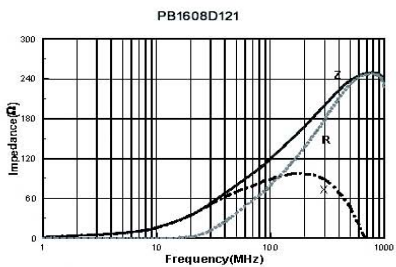
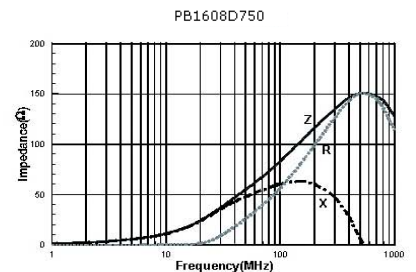
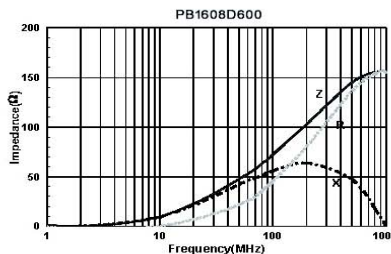
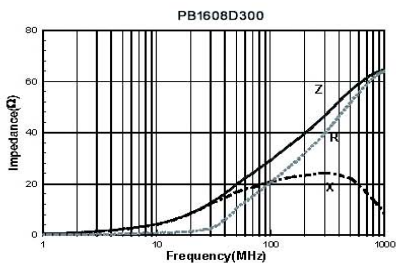
电气特性

TYPICAL ELECTRICAL CHARACTERISTICS

D, U Material Comparison

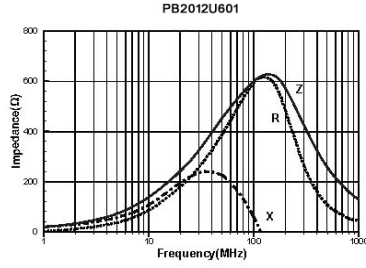
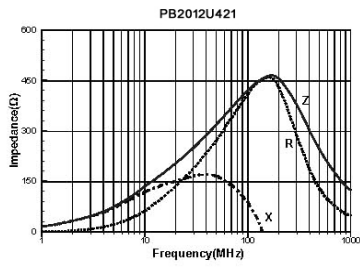


**PB1608 TYPE**





PB2012 TYPE



PB3216 TYPE

