

叠层大电流磁珠

Ferrite Bead (EMI Power Multilayer)



特性

Characteristics

指定峰值电流能力

Specified peak current capability

超低RDC

Ultra low RDC

工作温度: -55°C至+125°C

Operating temperature: -55 °C to +125 °C

应用

Application

具有高浪涌电流峰值的滤波器

Filter with high inrush current peaks

用于抑制电机干扰

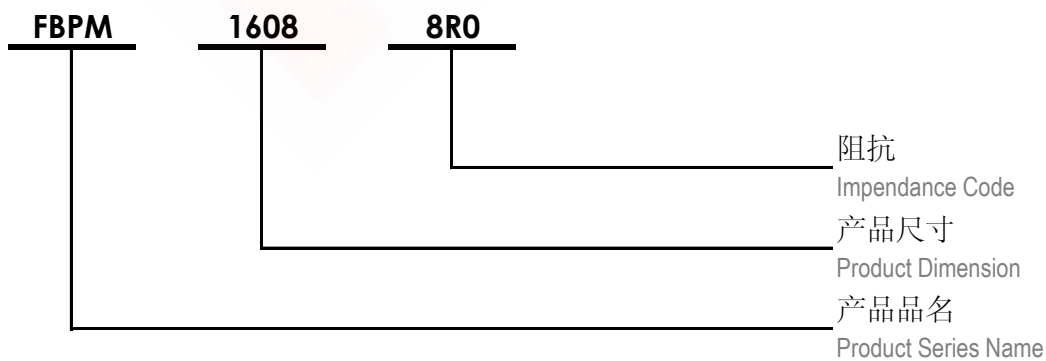
For motor interference suppression

DC/DC变换器和直流电源的EMI抑制

EMI suppression of DC/DC converters and DC power supply

产品品名介绍

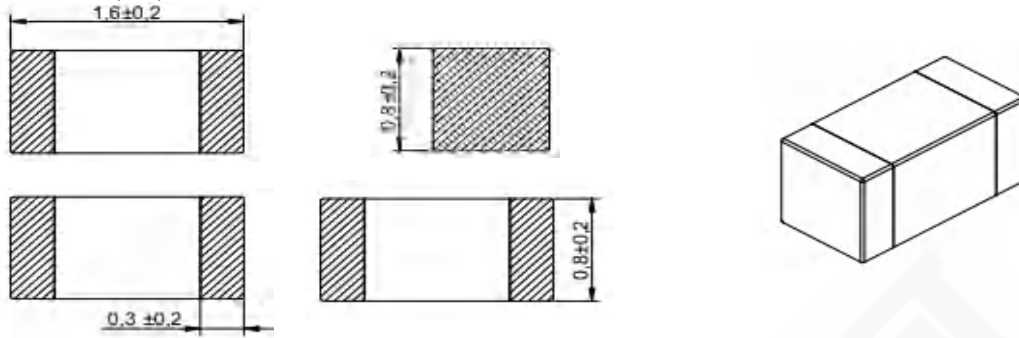
Product Number Structure





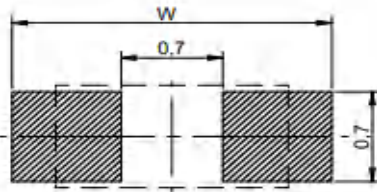
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



WIDE BAND / HIGH SPEED: W = 2.2
HIGH CURRENT: W = 2.6



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	阻抗 Impedance Z (Ω)	温升电流 Rated Current I _R 40°C (mA)	直流电阻 DC Resistance DCR _{max} (Ω)	卷盘数量 Taping Reel Qty. pcs
FBPM1608-8R0	8.00 ±25%	9,500	2.50	4,000
FBPM1608-260	26.00 ±25%	6,500	5.00	
FBPM1608-600	60.00 ±25%	5,400	8.50	
FBPM1608-111	110.00 ±25%	4,100	14.50	

测试状态

Test Condition

☆ 阻抗测试条件为 100MHz (25°C)

Impedance measure condition at 100MHz (25°C)

☆ 工作温度: -55°C ~ +125°C

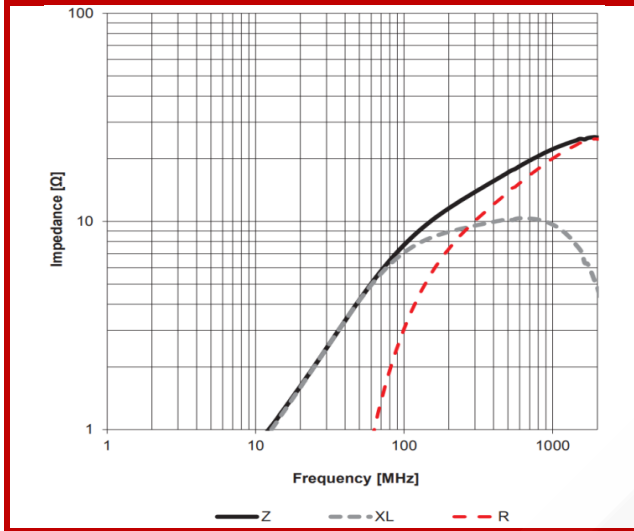
Operating Temperature: -55°C ~ +125°C



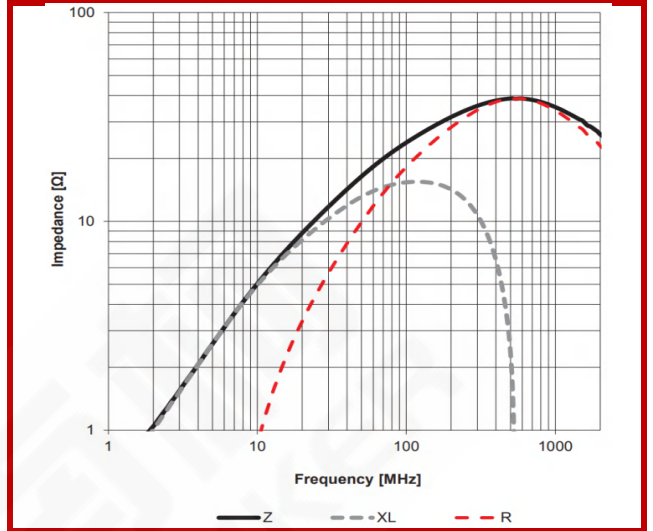
典型阻抗特性

Typical Impedance Characteristics

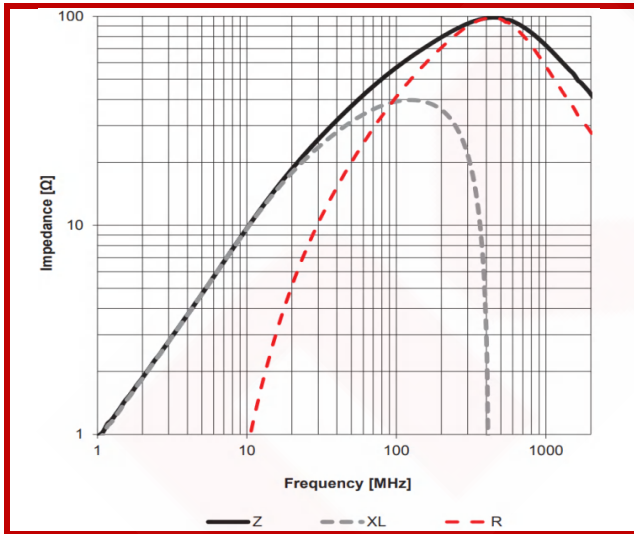
FBPM1608-8R0



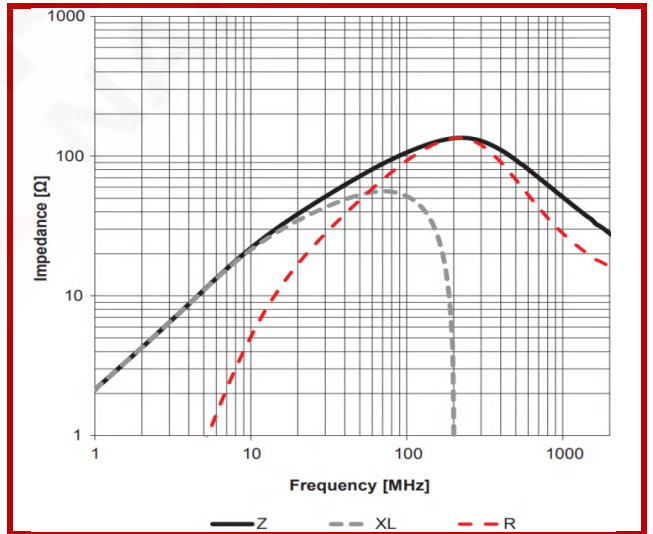
FBPM1608-260



FBPM1608-600



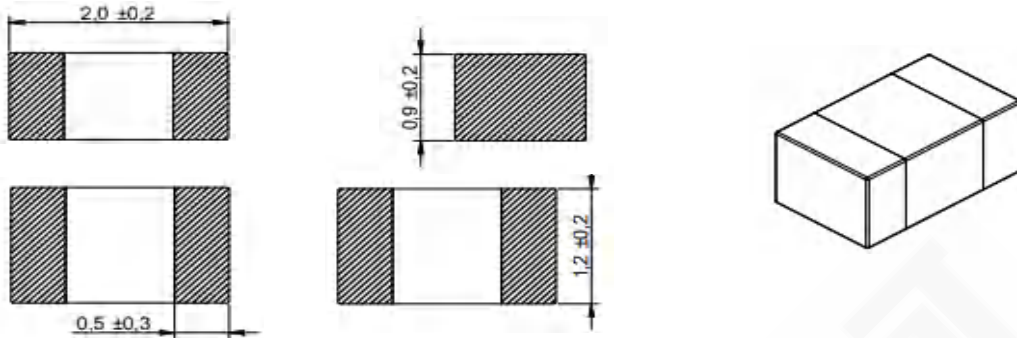
FBPM1608-111





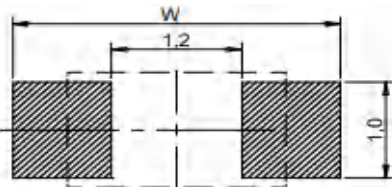
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



WIDE BAND / HIGH SPEED: W = 3.0
HIGH CURRENT: W = 4.0



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	阻抗 Impedance Z (Ω)	温升电流 Rated Current I _R 40°C (mA)	直流电阻 DC Resistance DCR _{max} (Ω)	卷盘数量 Taping Reel Qty. pcs
FBPM2012-800	80 ±25%	4,000	13.00	4,000
FBPM2012-181	180 ±25%	3,100	26.50	
FBPM2012-321	320 ±25%	2,500	30.50	
FBPM2012-601	600 ±25%	2,100	43.00	

测试状态

Test Condition

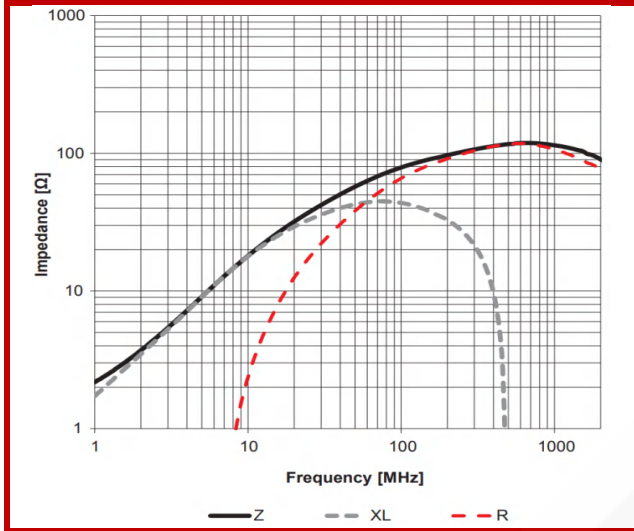
- ☆ 阻抗测试条件为 100MHz (25°C)
Impedance measure condition at 100MHz (25°C)
- ☆ 工作温度: -55°C ~ +125°C
Operating Temperature: -55°C ~ +125°C



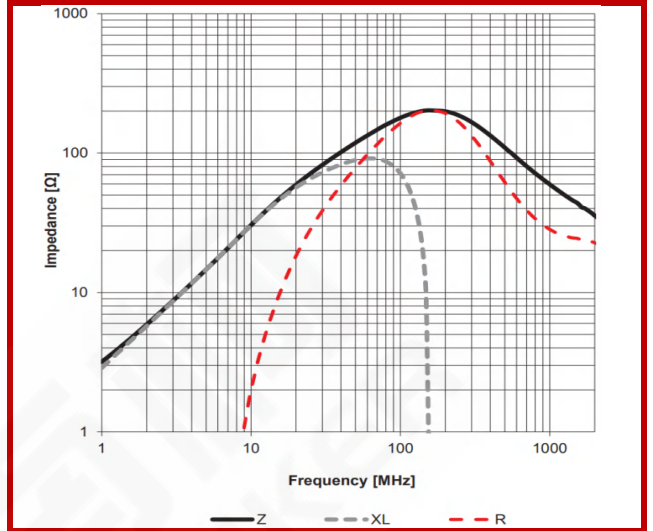
典型阻抗特性

Typical Impedance Characteristics

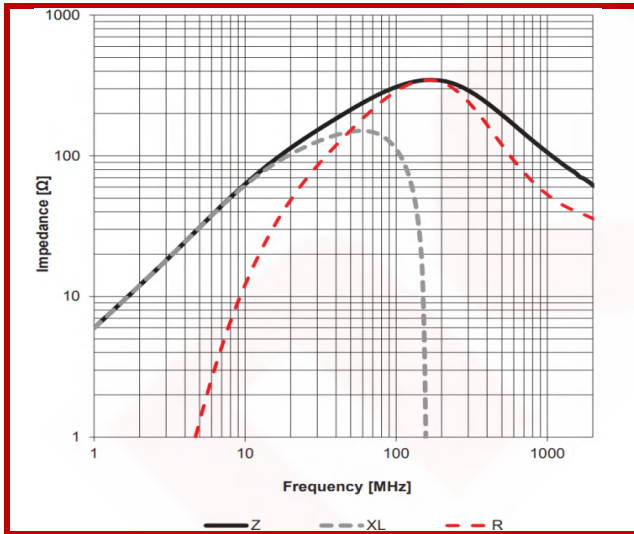
FBPM2012-800



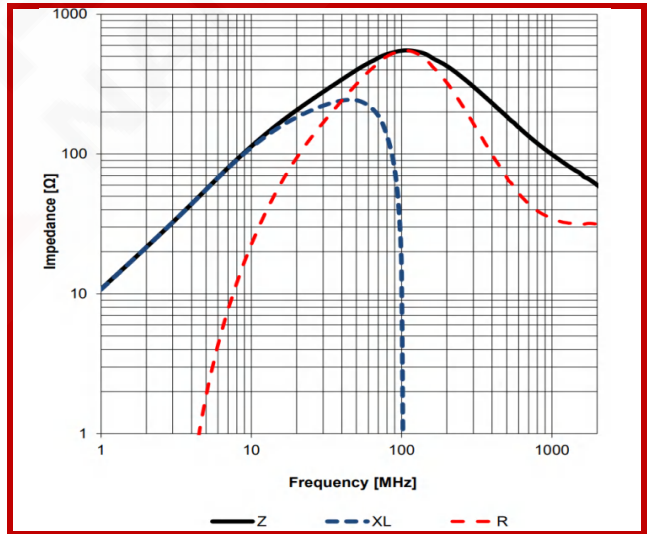
FBPM2012-181



FBPM2012-321



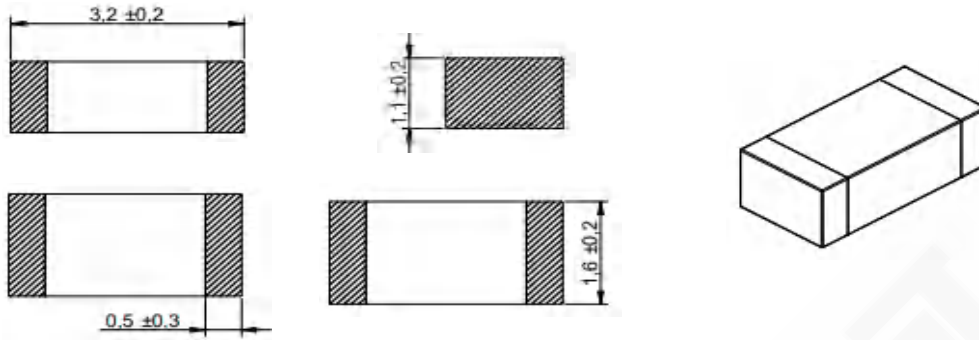
FBPM2012-601





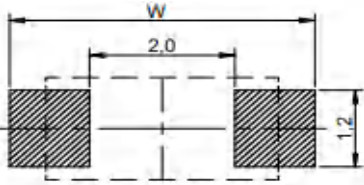
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



WIDE BAND / HIGH SPEED: W = 4.2
HIGH CURRENT: W = 5.2



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	阻抗 Impedance Z (Ω)	温升电流 Rated Current I _R 40°C (mA)	直流电阻 DC Resistance DCR _{max} (Ω)	卷盘数量 Taping Reel Qty. pcs
FBPM3216-100	10 ±25%	10,500	1.00	2,500
FBPM3216-111	110 ±25%	5,400	9.50	
FBPM3216-281	280 ±25%	3,500	22.00	
FBPM3216-601	600 ±25%	2,500	38.00	

测试状态

Test Condition

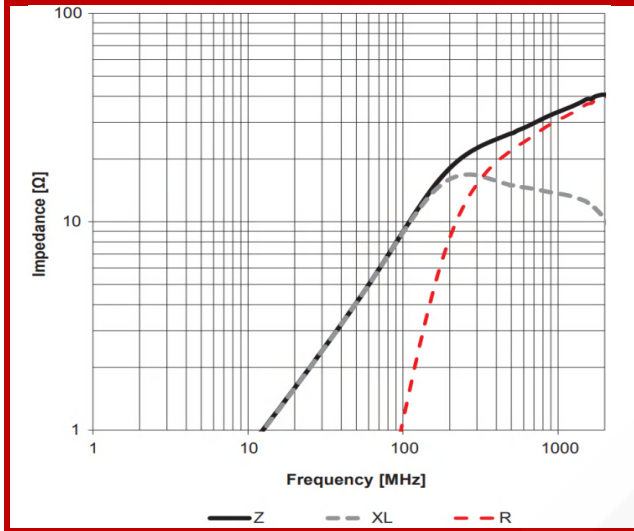
- ☆ 阻抗测试条件为 100MHz (25°C)
Impedance measure condition at 100MHz (25°C)
- ☆ 工作温度: -55°C ~ +125°C
Operating Temperature: -55°C ~ +125°C



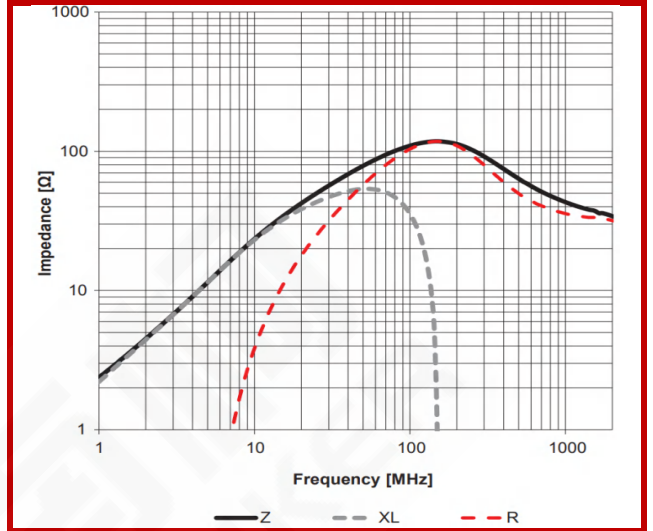
典型阻抗特性

Typical Impedance Characteristics

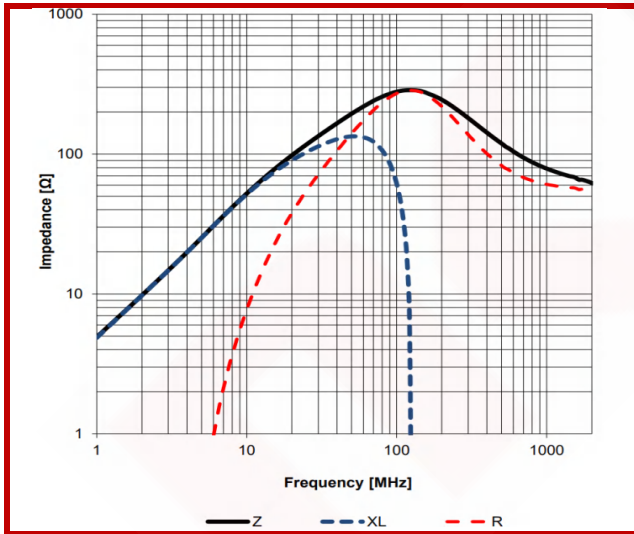
FBPM3216-100



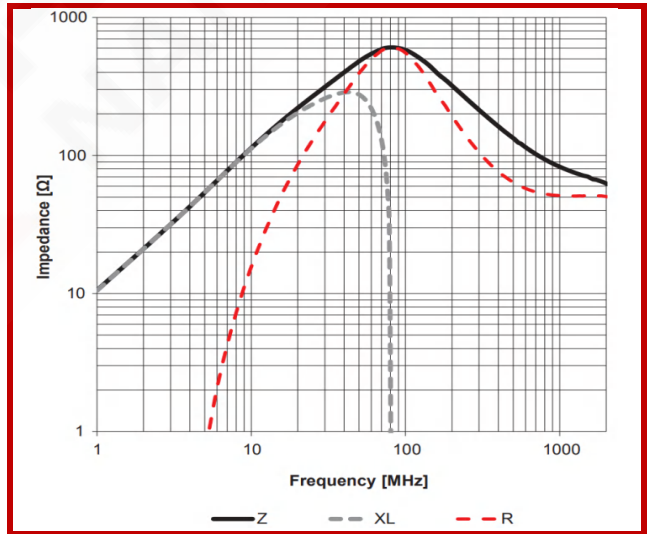
FBPM3216-111



FBPM3216-281



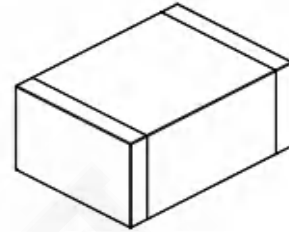
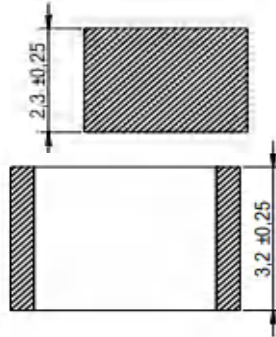
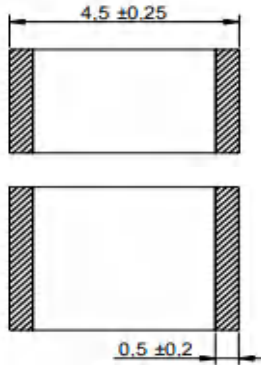
FBPM3216-601





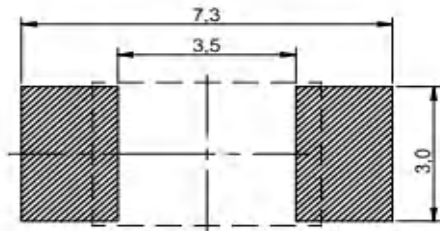
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	阻抗 Impedance Z (Ω)	温升电流 Rated Current I _R 40°C (mA)	直流电阻 DC Resistance DCR _{max} (Ω)	卷盘数量 Taping Reel Qty. pcs
FBPM4532-101	100 ±25%	8,000	4.50	4,000

测试状态

Test Condition

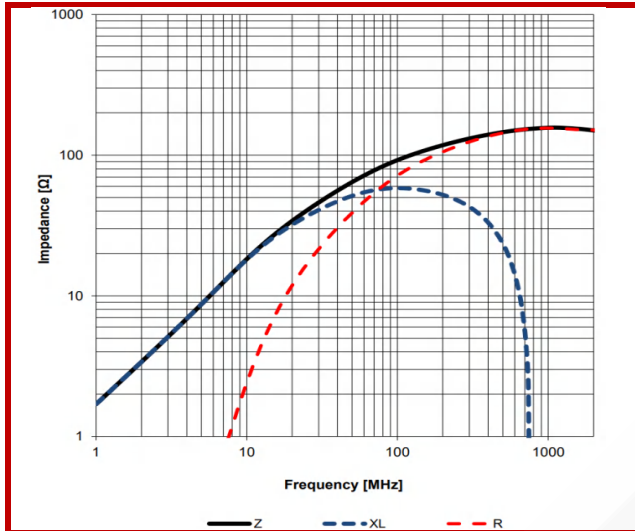
- ☆ 阻抗测试条件为 100MHz (25°C)
Impedance measure condition at 100MHz (25°C)
- ☆ 工作温度: -55°C ~ +125°C
Operating Temperature: -55°C ~ +125°C



典型阻抗特性

Typical Impedance Characteristics

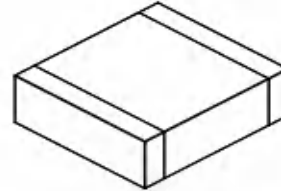
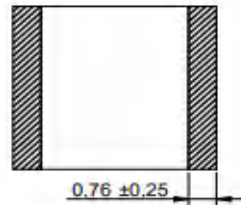
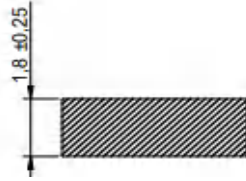
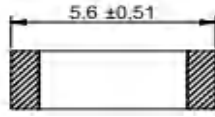
FBPM4532-101





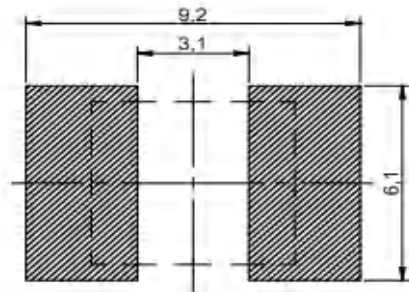
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	阻抗 Impedance Z (Ω)	温升电流 Rated Current I _R 40°C (mA)	直流电阻 DC Resistance DCR _{max} (Ω)	卷盘数量 Taping Reel Qty. pcs
FBPM5651-101	100 ±25%	7,000	3.50	2,000
FBPM5651-151	150 ±25%	5,000	7.00	
FBPM5651-171	170 ±25%	4,000	11.00	
FBPM5651-181	180 ±25%	5,000	7.50	
FBPM5651-251	250 ±25%	4,000	8.50	
FBPM5651-271	270 ±25%	4,000	10.00	
FBPM5651-401	400 ±25%	4,500	15.00	
FBPM5651-551	550 ±25%	4,000	28.00	

测试状态

Test Condition

☆ 阻抗测试条件为 100MHz (25°C)

Impedance measure condition at 100MHz (25°C)

☆ 工作温度: -55°C ~ +125°C

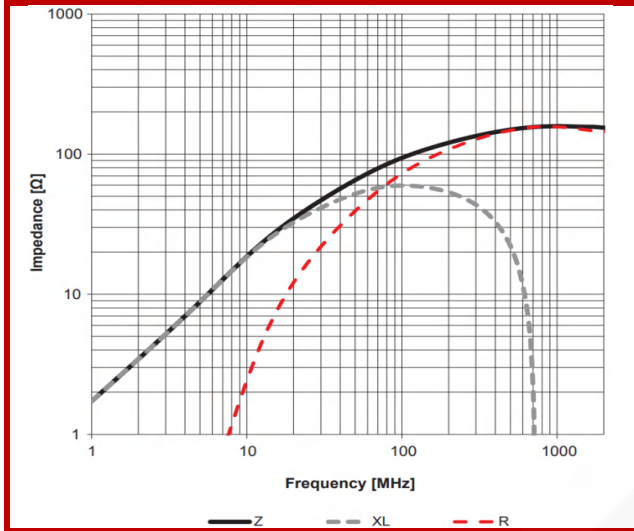
Operating Temperature: -55°C ~ +125°C



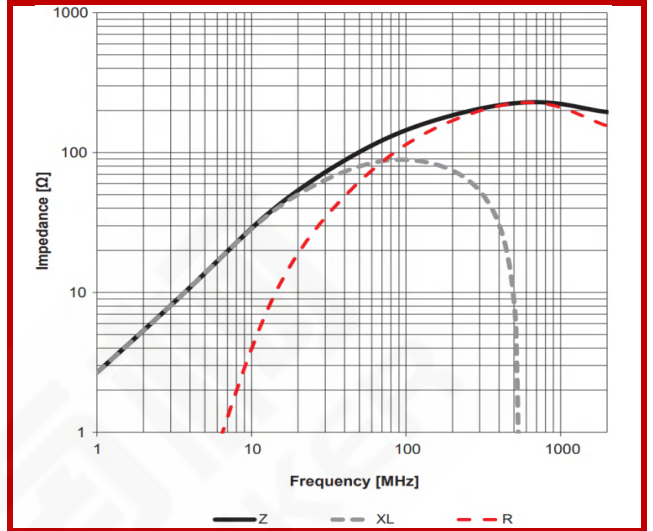
典型阻抗特性

Typical Impedance Characteristics

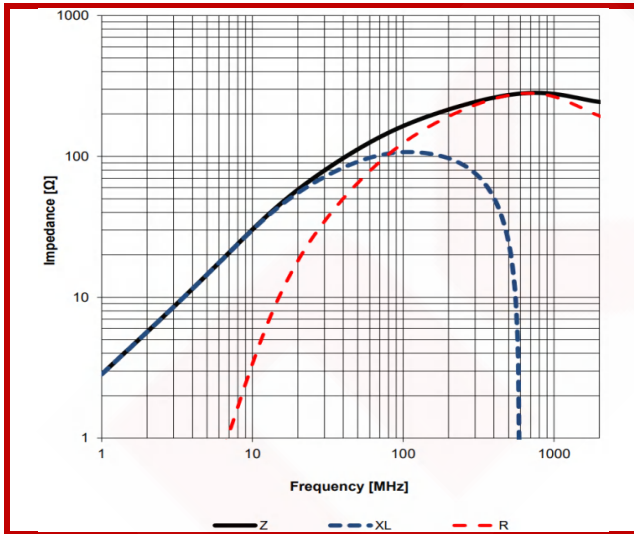
FBPM5651-101



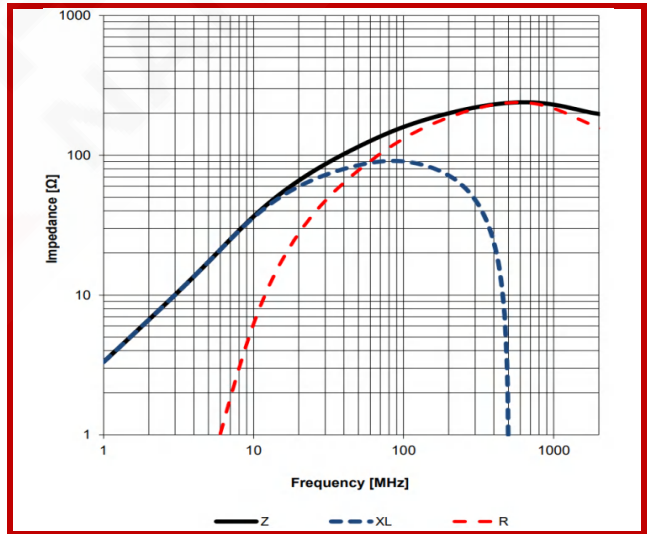
FBPM5651-151



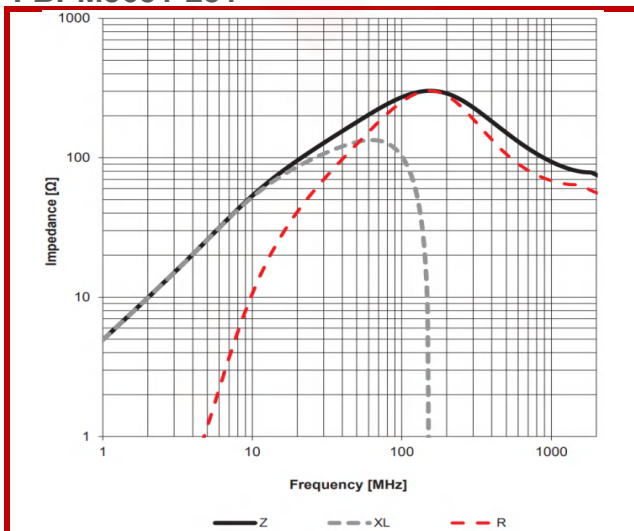
FBPM5651-171



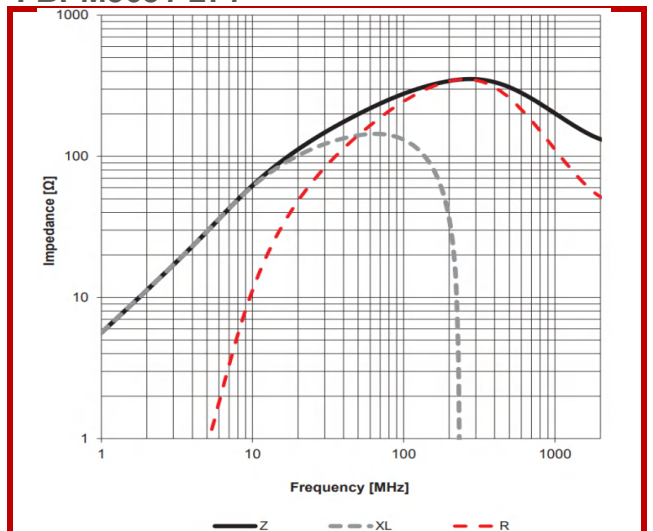
FBPM5651-181



FBPM5651-251



FBPM5651-271

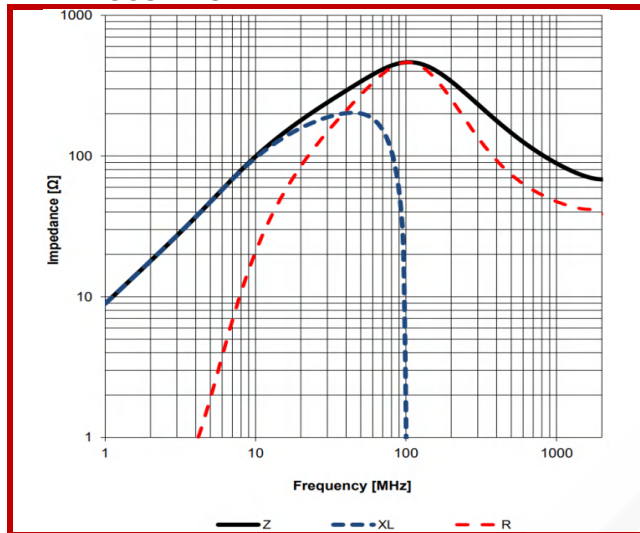




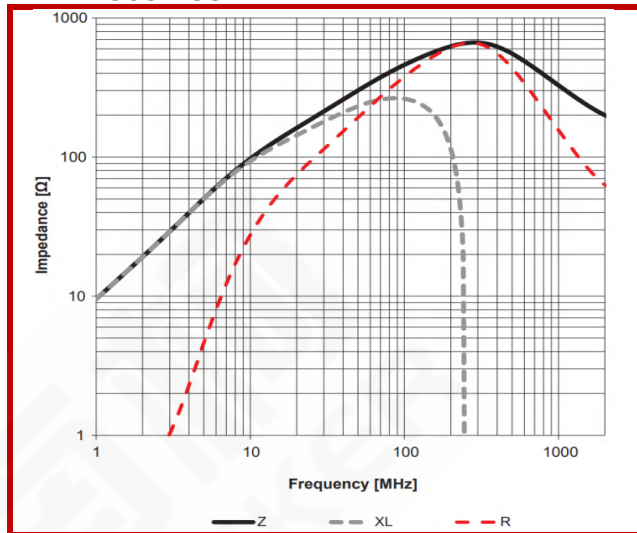
典型阻抗特性

Typical Impedance Characteristics

FBPM5651-401



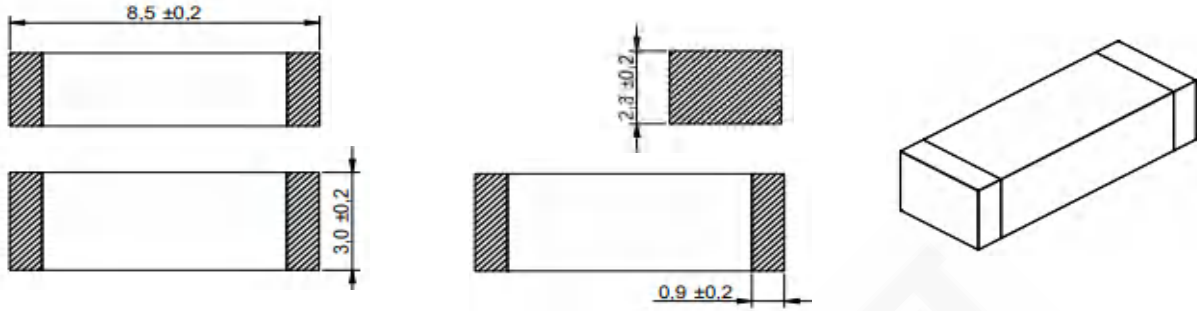
FBPM5651-551





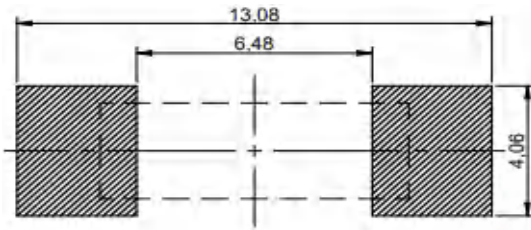
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	阻抗 Impedance Z (Ω)	温升电流 Rated Current I _R 40°C (mA)	直流电阻 DC Resistance DCR _{max} (Ω)	卷盘数量 Taping Reel Qty. pcs
FBPM8530-101	100 ±25%	10,000	3.00	2,500

测试状态

Test Condition

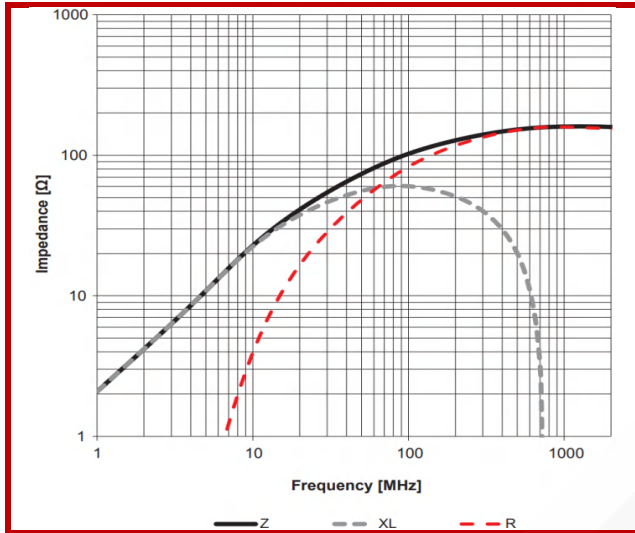
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Impedance measure condition at 100MHz (25°C)
- ☆ 工作温度: -55°C ~ +125°C
Operating Temperature: -55°C ~ +125°C



典型阻抗特性

Typical Impedance Characteristics

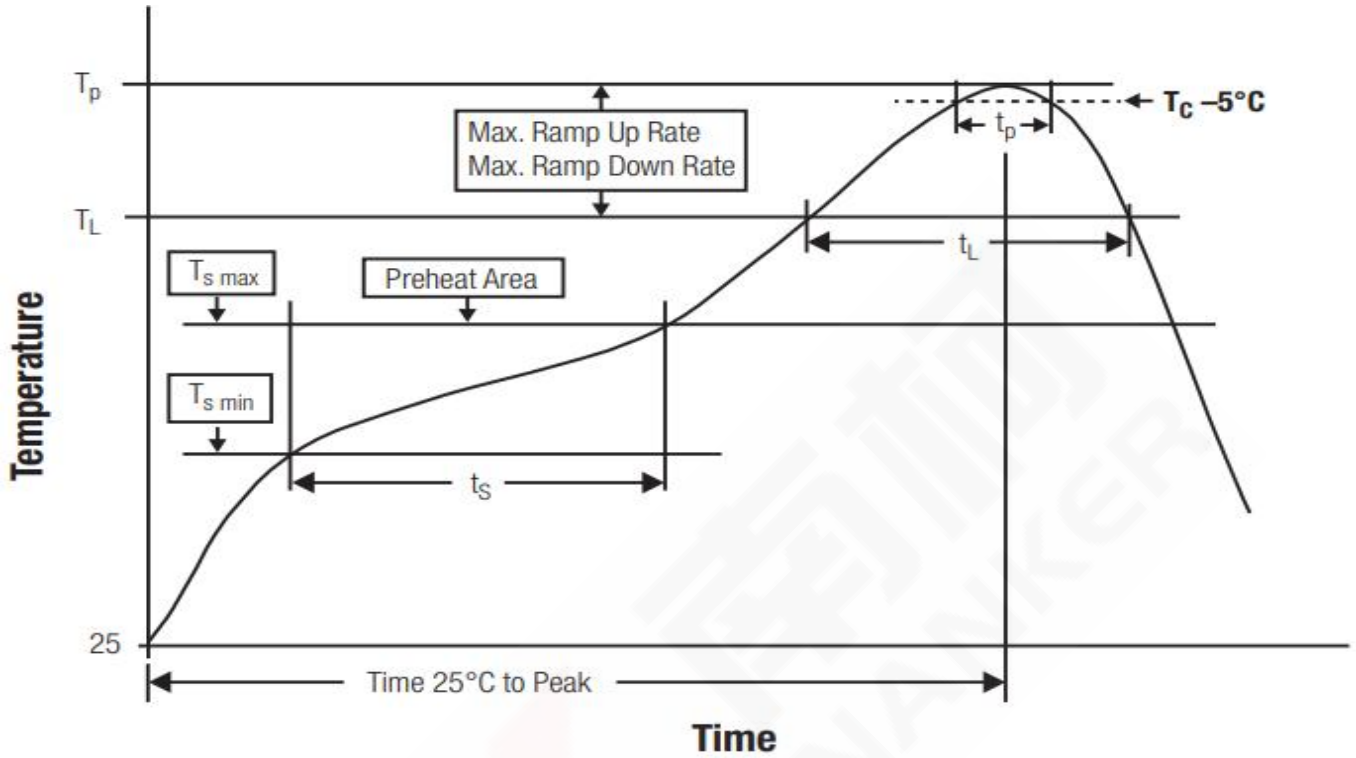
FBPM8530-101





回流焊曲线图

Classification Reflow Profile for SMT Components



封装体峰值温度(T_p)分类

Classification Reflow Soldering Profile:

	封装厚度 Package Thickness	封装体积 Package Volume		
		<350 mm ³	350~2,000 mm ³	>2,000 mm ³
无铅装配 PB-Free Assembly	<1.60mm	260°C	260°C	260°C
	1.60~2.50mm	260°C	250°C	245°C
	>2.50mm	260°C	245°C	245°C

- ◆ 回流焊参照标准 IPC/JEDEC J-STD-020D。
Reflow is refer to standard IPC/JEDEC J-STD-020D.