微型磁珠

Ferrite Bead (Tiny Multilayer)

特性

Characteristics

非常适合EMI解决方案的小型化

Perfect for miniaturization of EMI solutions

宽阻抗范围从10到1500Ω

Wide impedance range from 10 up to 1500 Ω

工作温度：-55°C至+125°C

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

应用

Application

一般信号线和低功率线

General signal and low power lines

音频/视频/时钟线

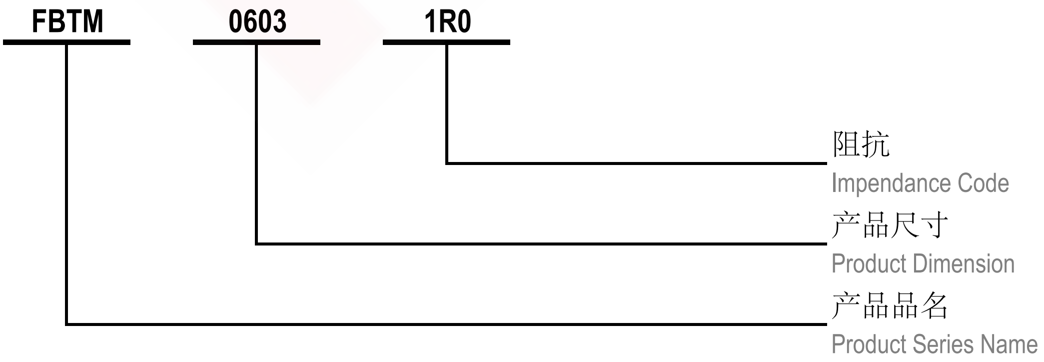
Audio/video/clock lines

小型手持设备

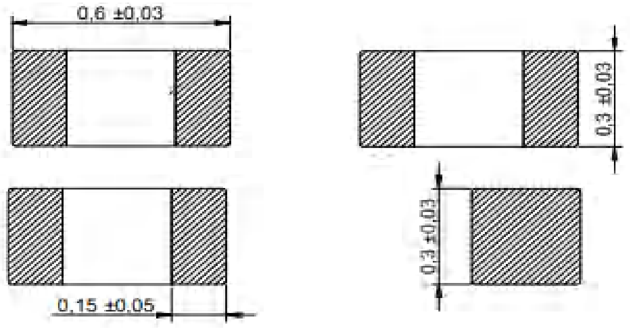
Small handhelds

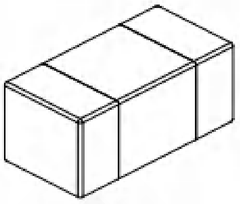
产品品名介绍

Product Number Structure



尺寸
Dimension (mm)





焊盘推荐
Land Pattern Recommended (mm)

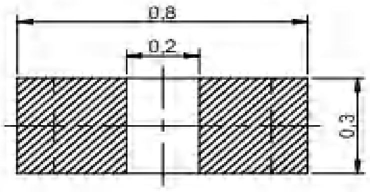


示意图
Schematics

电性特性
Electrical Properties

型号 Part No.	阻抗 Impedance Z (Ω)		温升电流 Rated Current IR 40°C (mA)	直流电阻 DCResistance DCRmax (Ω)	卷盘数量 Taping Reel Qty. pcs
FBTM0603-100	10	±25%	650	0.055	15,000
FBTM0603-600	60	±25%	400	0.250	
FBTM0603-121	120	±25%	250	0.290	
FBTM0603-241	240	±25%	300	0.570	
FBTM0603-301	300	±25%	400	0.610	
FBTM0603-561	560	±25%	250	0.750	

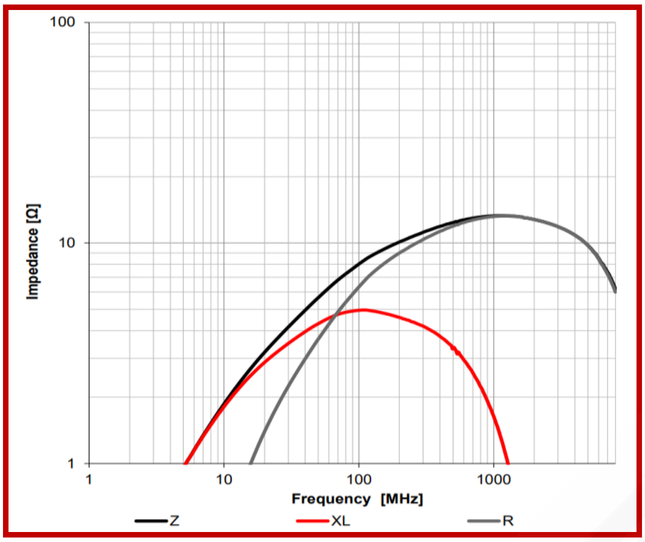
测试状态
Test Condition

☆ 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

FBTM0603-100



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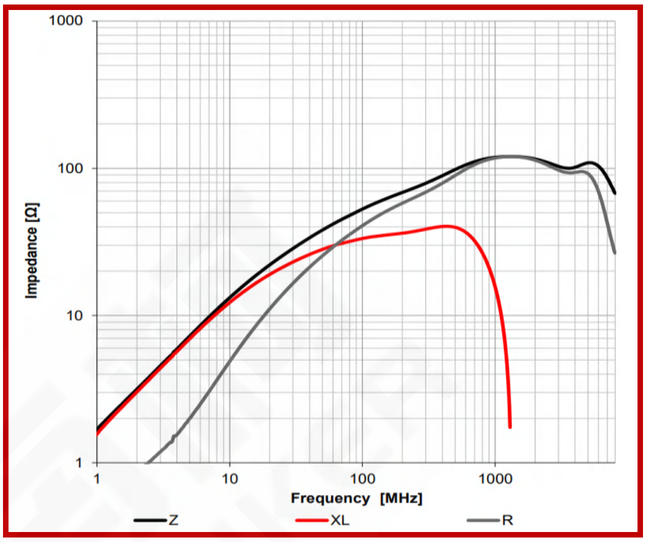

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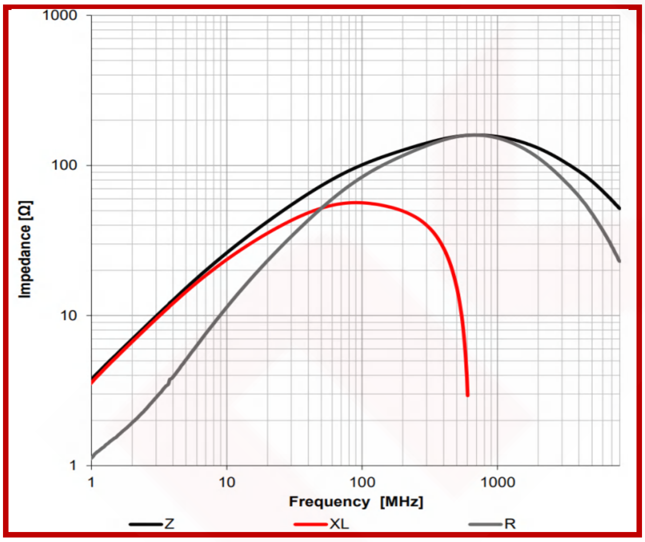

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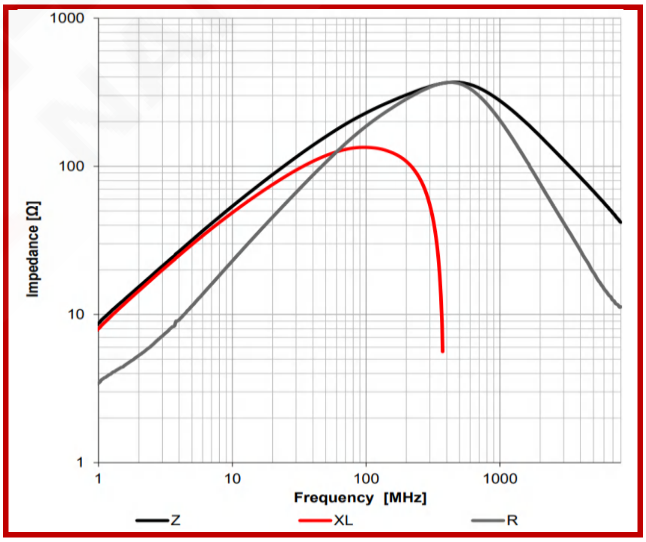

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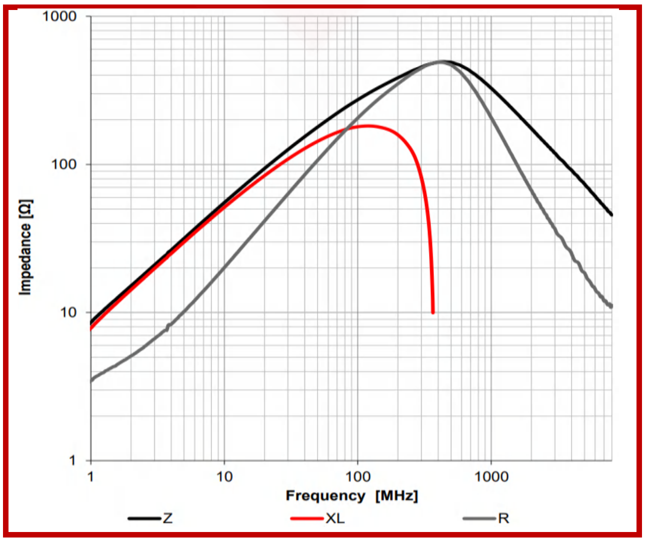
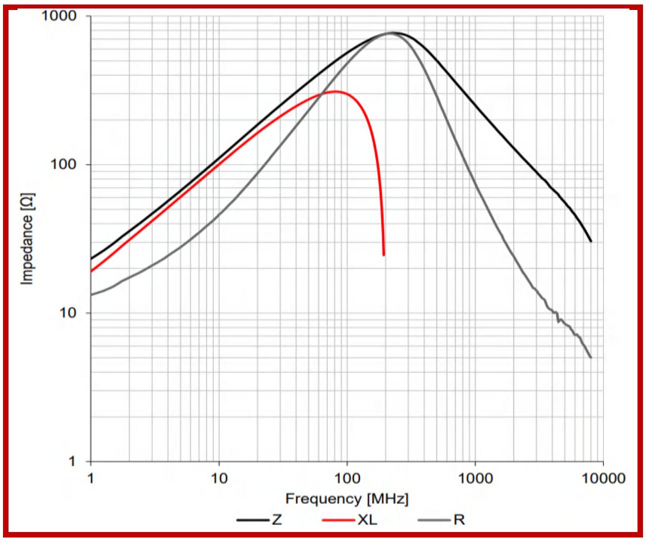
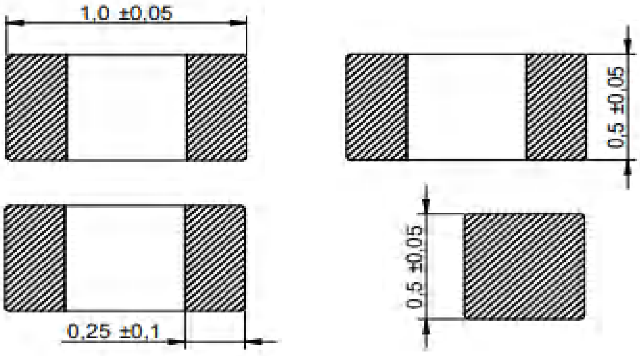
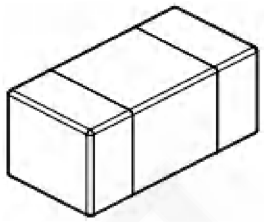


FBTM0603-561

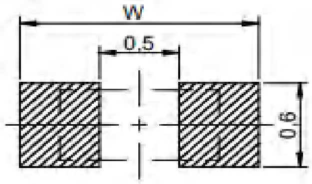


尺寸
Dimension (mm)





焊盘推荐
Land Pattern Recommended (mm)



WIDE BAND / HIGH SPEED: W = 1,5
HIGH CURRENT: W = 2,2

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 IR 40°C (mA)	直流电阻 DCResistance DCRmax (Ω)	卷盘数量 Taping Reel Qty. pcs
FBTM1005-111	110 ±25%	1,200	0.070	10,000
FBTM1005-161	160 ±25%	1,000	0.120	
FBTM1005-261	260 ±25%	1,000	0.120	
FBTM1005-461	460 ±25%	500	0.350	
FBTM1005-601	600 ±25%	850	0.220	
FBTM1005-102	1,000 ±25%	480	0.430	
FBTM1005-152	1,500 ±25%	500	0.430	
FBTM1005-182	1,800 ±25%	210	1.910	

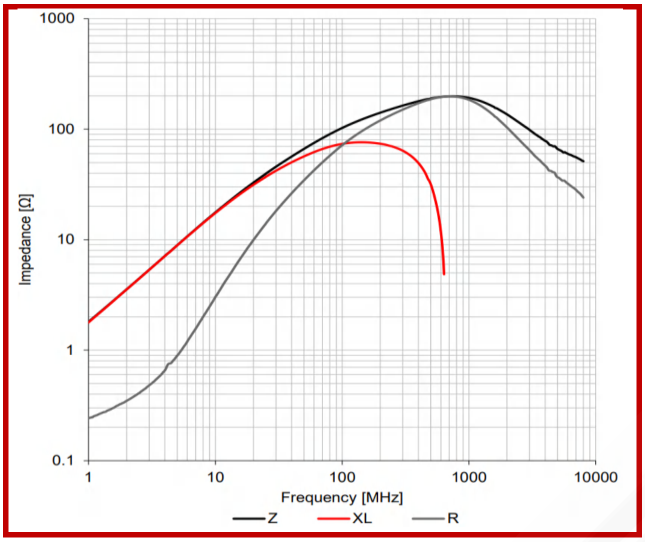
测试状态
Test Condition

☆ 阻抗测试条件为 100MHz (25°C)
Impedance measure condition at 100MHz (25°C)

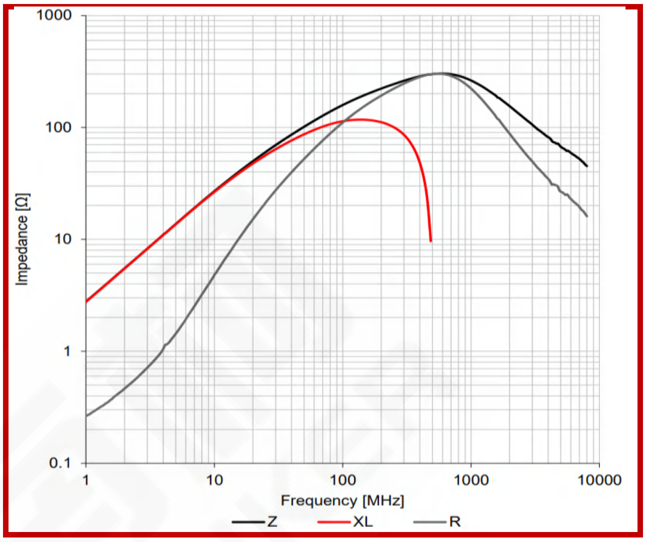
☆ 工作温度：-55°C ~ +125°C
Operating Temperature: -55°C ~ +125°C

典型阻抗特性
Typical Impedance Characteristics

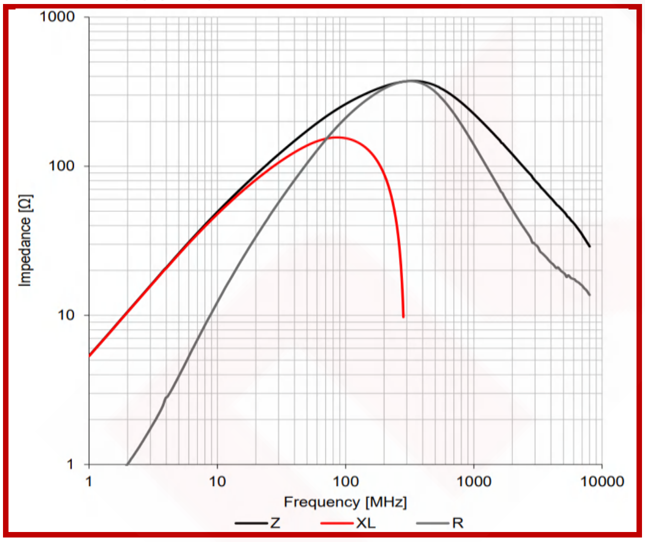
FBTM1005-111



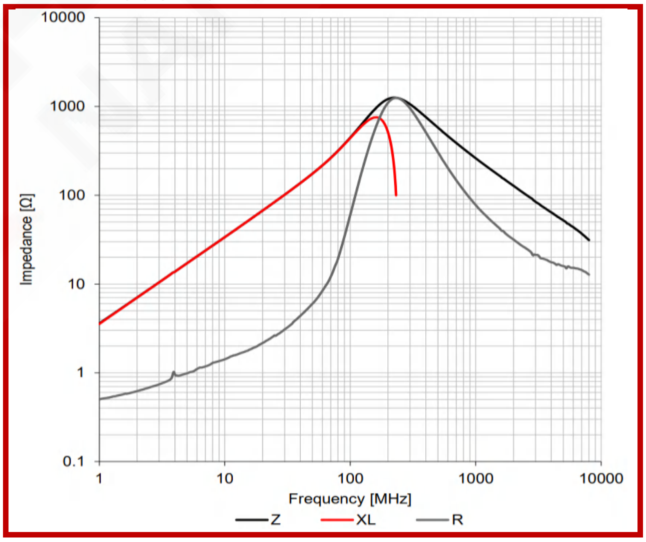
FBTM1005-161



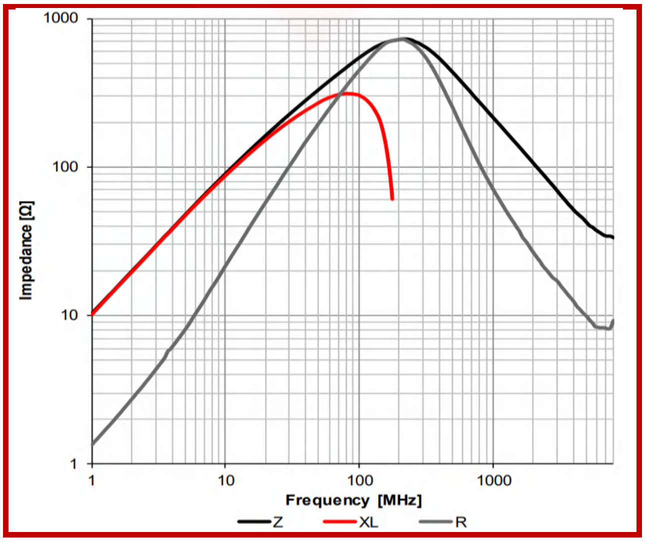
FBTM1005-261



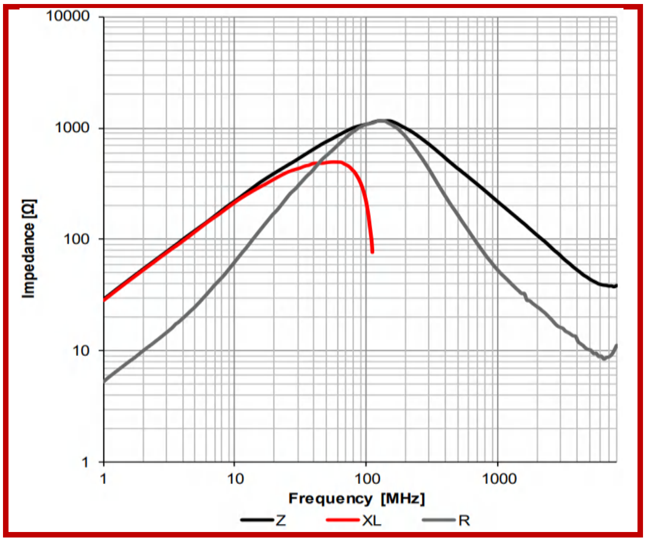
FBTM1005-461



FBTM1005-601

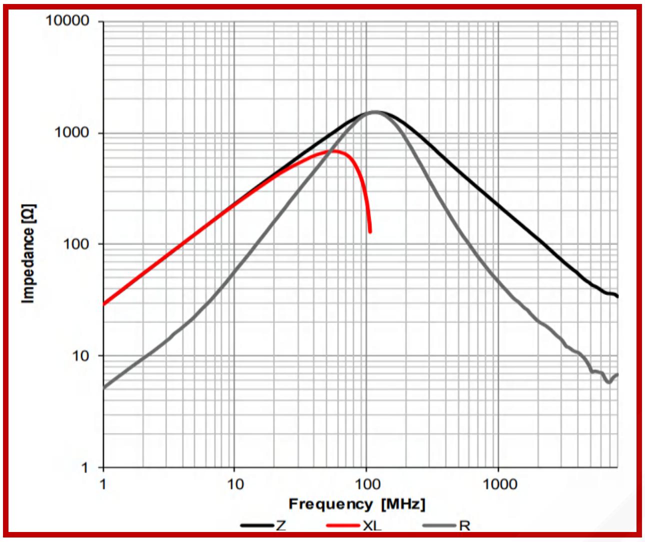


FBTM1005-102

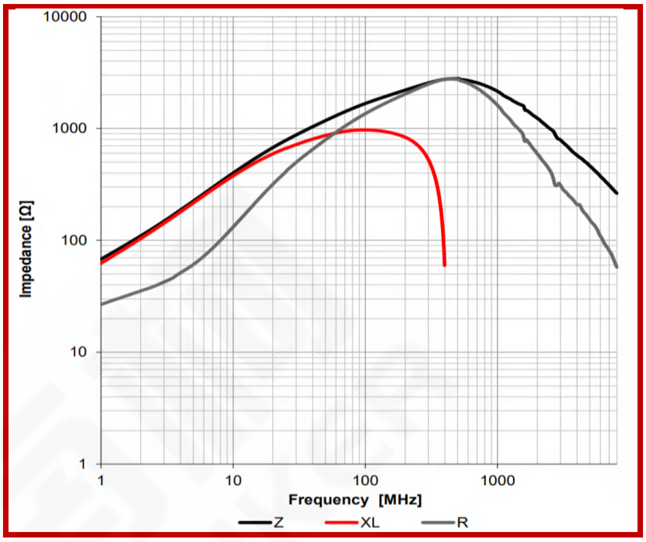


典型阻抗特性
Typical Impedance Characteristics

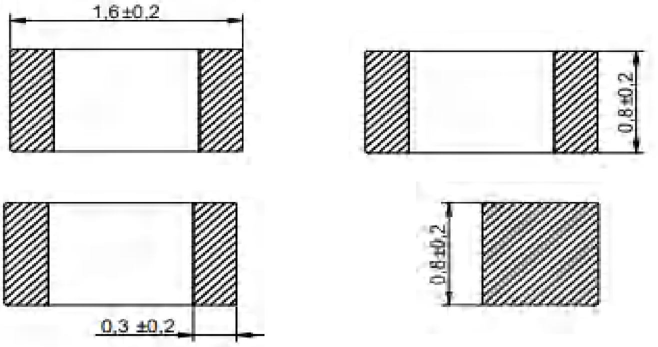
FBTM1005-152

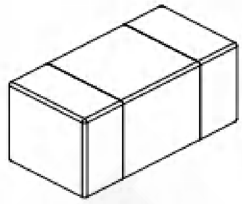


FBTM1005-182

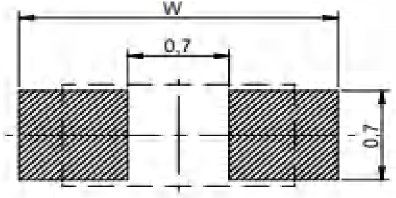


尺寸
Dimension (mm)





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 IR 40°C (mA)	直流电阻 DCResistance DCRmax (Ω)	卷盘数量 Taping Reel Qty. pcs
FBTM1608-220	22	±25%	7,500	0.003	4,000
FBTM1608-601	600	±25%	1,500	0.090	

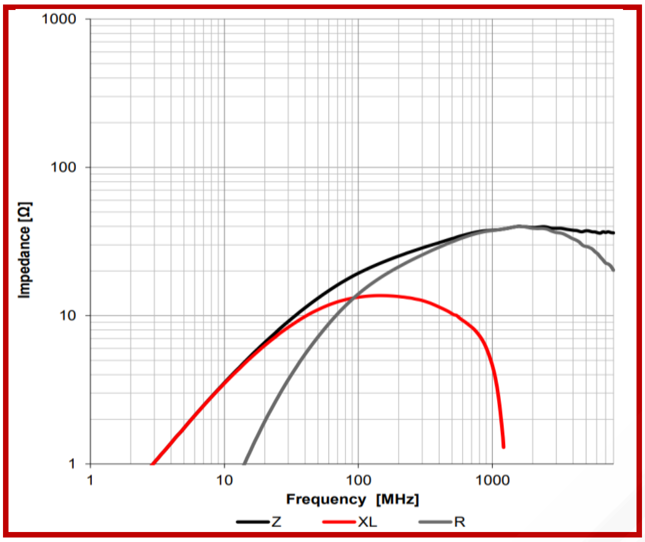
测试状态
Test Condition

☆ 阻抗测试条件为 100MHz (25°C)
Impedance measure condition at 100MHz (25°C)

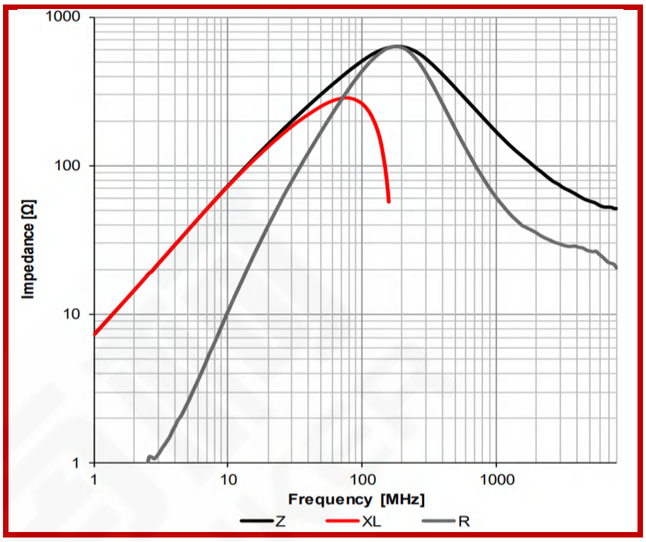
☆ 工作温度：-55°C ~ +125°C
Operating Temperature: -55°C ~ +125°C

典型阻抗特性
Typical Impedance Characteristics

FBTM1608-220

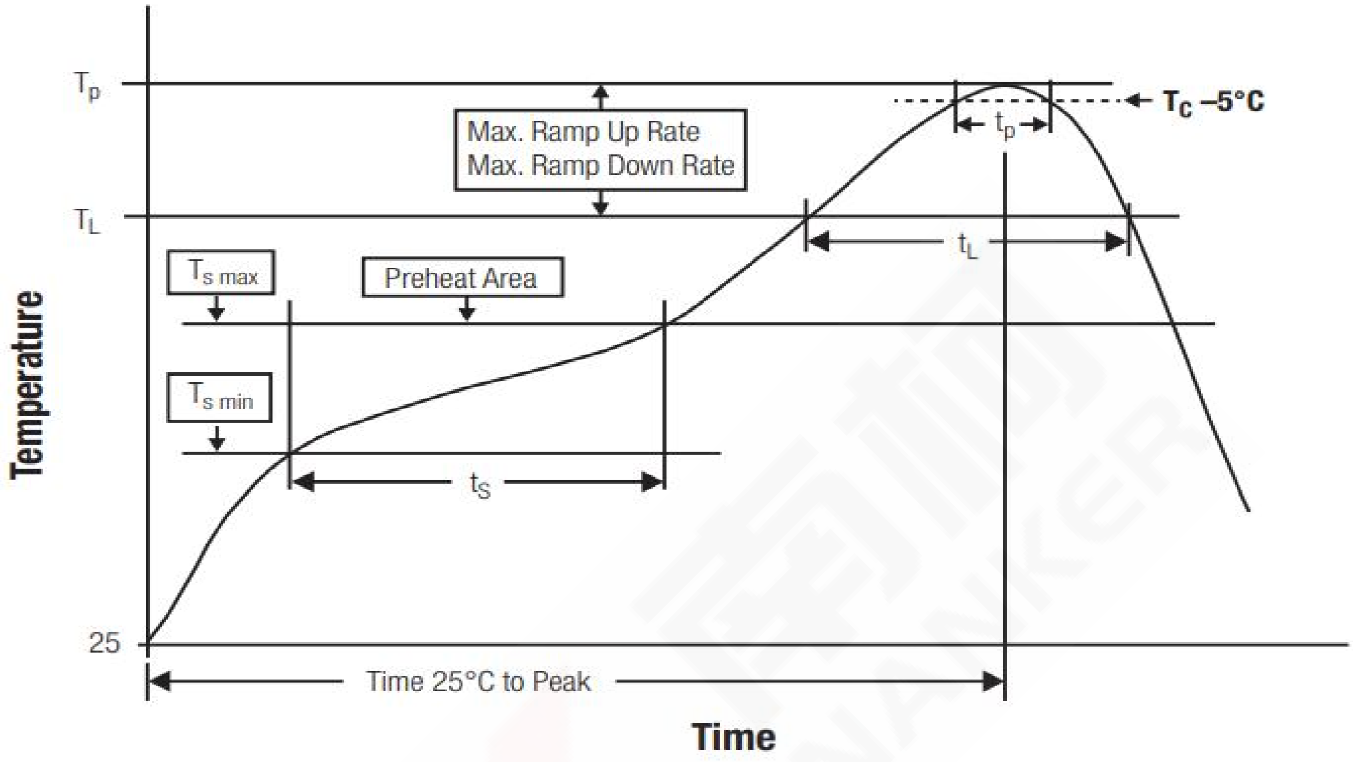


FBTM1608-601



回流焊曲线图

Classification Reflow Profile for SMT Components



封装体峰值温度(Tp)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.