

叠层滤波电感

SMT Multilayer Inductor



特性

Characteristics

最小的电感器可以减少印刷电路板上所需的空间，因此非常适合高密度安装

Smallest inductor possible for less space needed on the printed circuit board and therefore perfect suitable for high density mounting

由于闭合的磁路，没有交叉耦合

No cross coupling because of closed magnetic circuits

工作温度：-55℃至+125℃

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

应用

Application

振荡器

Oscillators

开关滤波器

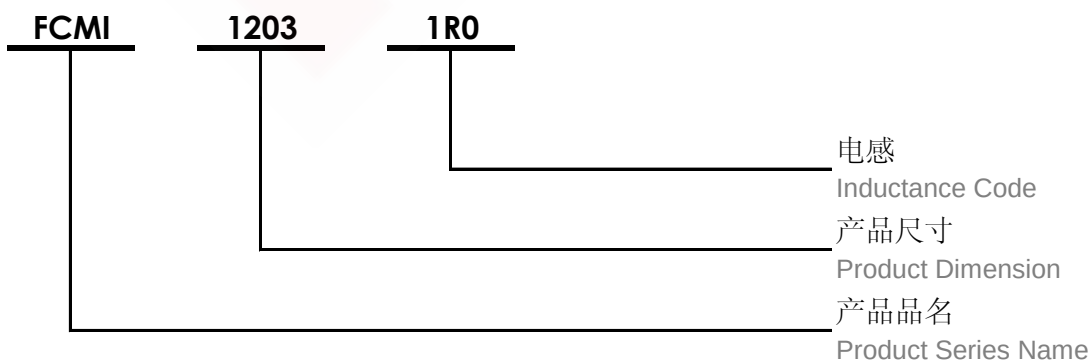
Filter switches

网络调整

Adjustment networks

产品品名介绍

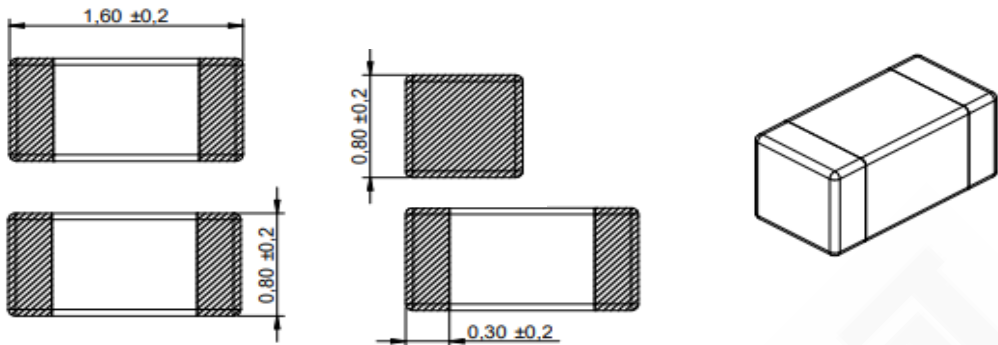
Product Number Structure





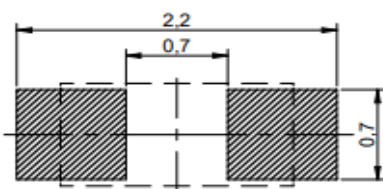
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	Q值 Q Value 50 MHz	温升电流 Rated Current I _R 40°C (mA)	直流电阻 DCResistance DCR _{max} (Ω)	卷盘数量 Taping Reel Qty. pcs
FCMI1608-R047	0.047	10.00	50.00	0.25	4,000
FCMI1608-R068	0.068	10.00	50.00	0.25	
FCMI1608-R10	0.10	15.00	50.00	0.50	
FCMI1608-R22	0.22	15.00	50.00	0.80	
FCMI1608-R33	0.33	15.00	35.00	0.80	
FCMI1608-R47	0.47	15.00	35.00	1.00	
FCMI1608-R56	0.56	15.00	35.00	1.55	
FCMI1608-R68	0.68	15.00	35.00	1.70	
FCMI1608-R82	0.82	15.00	35.00	2.10	
FCMI1608-1R0	1.00	35.00	25.00	0.60	
FCMI1608-1R5	1.50	35.00	25.00	0.80	
FCMI1608-1R8	1.80	35.00	25.00	0.80	

测试状态

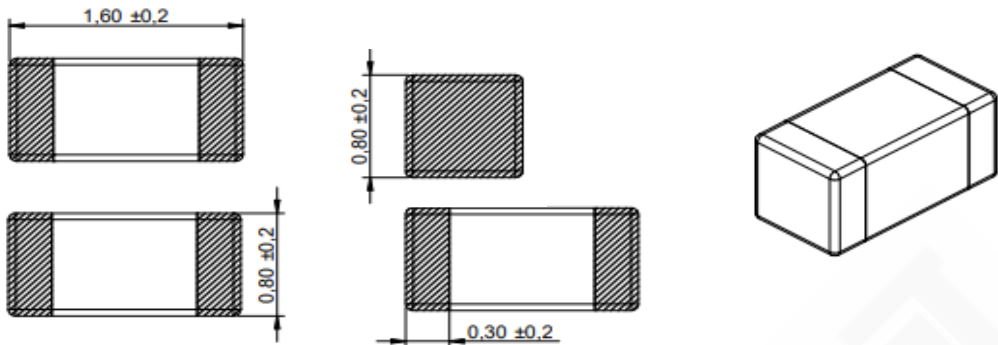
Test Condition

- ☆ 电感测试条件为 50MHz (25°C)
Inductance measure condition at 50MHz (25°C)
- ☆ 工作温度: -55°C ~ +125°C
Operating Temperature: -55°C ~ +125°C



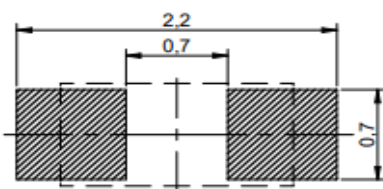
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

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电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	Q值 Q Value 50 MHz	温升电流 Rated Current I _R 40°C (mA)	直流电阻 DCResistance DCR _{max} (Ω)	卷盘数量 Taping Reel Qty. pcs
FCMI1608-2R2	2.20	35.00	15.00	1.00	4,000
FCMI1608-2R7	2.70	35.00	15.00	1.00	
FCMI1608-3R3	3.30	35.00	15.00	1.40	
FCMI1608-4R7	4.70	35.00	15.00	1.80	
FCMI1608-6R8	6.80	35.00	5.00	1.70	
FCMI1608-8R2	8.20	35.00	5.00	2.10	
FCMI1608-100	10.00	30.00	3.00	1.85	
FCMI1608-120	12.00	30.00	3.00	2.10	

测试状态

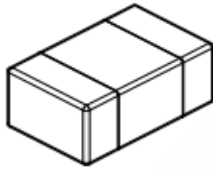
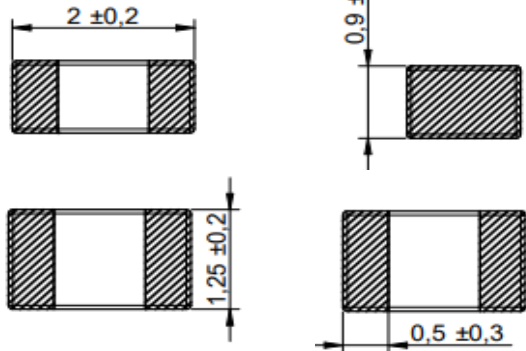
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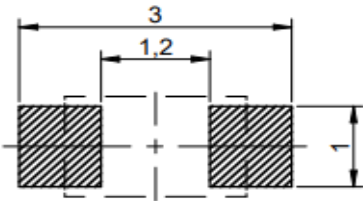
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

型号 Part No.	电感 Inductance μH	Q值 Q Value 50 MHz	温升电流 Rated Current I _R 40°C (mA)	直流电阻 DCResistance DCR _{max} (Ω)	卷盘数量 Taping Reel Qty. pcs
FCMI2012-R047	0.047	20.00	300	0.20	4,000
FCMI2012-R10	0.10	20.00	250	0.20	
FCMI2012-R15	0.15	20.00	250	0.40	
FCMI2012-R22	0.22	20.00	250	0.50	
FCMI2012-R27	0.27	20.00	250	0.50	
FCMI2012-R33	0.33	20.00	250	0.50	
FCMI2012-R47	0.47	25.00	200	0.60	
FCMI2012-R56	0.56	25.00	150	0.70	
FCMI2012-R68	0.68	25.00	150	0.80	
FCMI2012-R82	0.82	25.00	150	1.00	
FCMI2012-1R0	1.00	45.00	50	0.40	
FCMI2012-1R5	1.50	45.00	50	0.50	

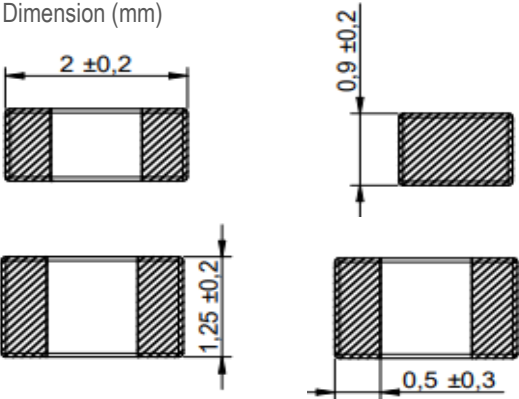
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尺寸
Dimension (mm)



焊盘推荐
Land Pattern Recommended (mm)

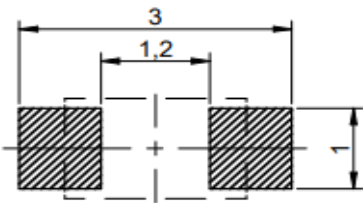


示意图
Schematics



电性特性
Electrical Properties

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FCMI2012-1R8	1.80	45.00	50.00	0.60	4,000
FCMI2012-2R2	2.20	45.00	30.00	0.60	
FCMI2012-3R3	3.30	45.00	30.00	0.80	
FCMI2012-4R7	4.70	45.00	30.00	1.00	
FCMI2012-5R6	5.60	50.00	15.00	0.90	
FCMI2012-6R8	6.80	50.00	15.00	1.00	
FCMI2012-8R2	8.20	50.00	15.00	1.00	
FCMI2012-100	10.00	50.00	15.00	1.00	
FCMI2012-120	12.00	50.00	15.00	1.10	

测试状态

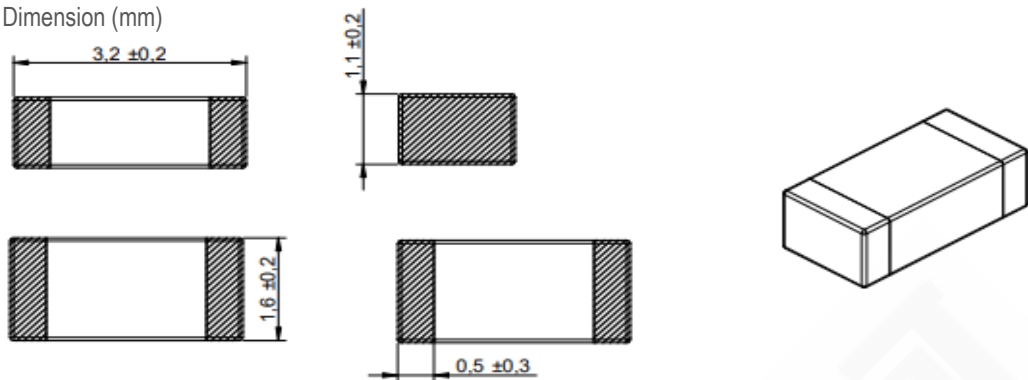
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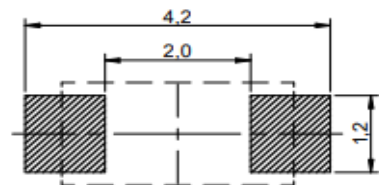
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FCMI3216-R047	0.047	20.00	300	0.15	3,000
FCMI3216-R10	0.10	20.00	250	0.25	
FCMI3216-R15	0.15	20.00	250	0.30	
FCMI3216-R22	0.22	20.00	250	0.40	
FCMI3216-R33	0.33	20.00	250	0.50	
FCMI3216-R47	0.47	25.00	200	0.60	
FCMI3216-R68	0.68	25.00	150	0.80	
FCMI3216-1R0	1.00	45.00	100	0.40	
FCMI3216-1R2	1.20	45.00	100	0.50	
FCMI3216-1R5	1.50	45.00	50	0.50	
FCMI3216-1R8	1.80	45.00	50	0.50	
FCMI3216-2R2	2.20	45.00	50	0.60	

测试状态

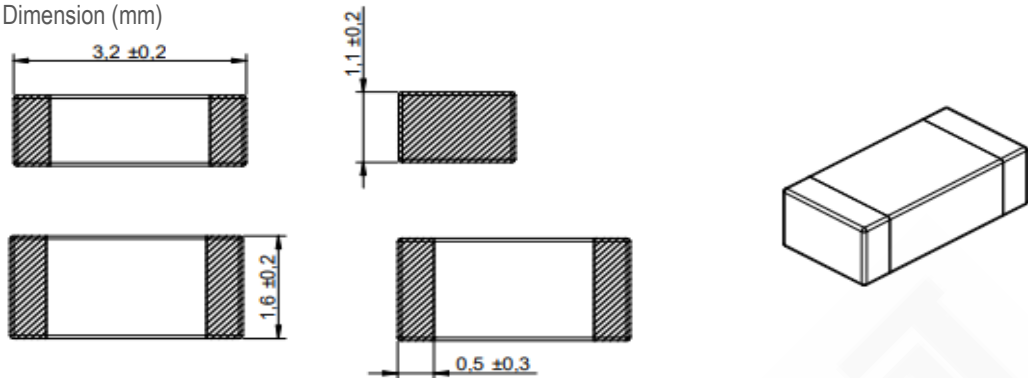
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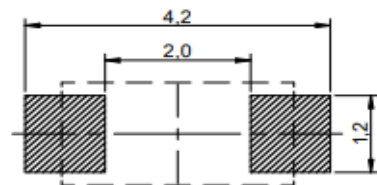
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FCMI3216-2R7	2.70	45.00	50.00	0.60	3,000
FCMI3216-3R3	3.30	45.00	50.00	0.70	
FCMI3216-3R9	3.90	45.00	50.00	0.80	
FCMI3216-4R7	4.70	45.00	50.00	0.90	
FCMI3216-6R8	6.80	50.00	25.00	0.90	
FCMI3216-8R2	8.20	50.00	25.00	0.90	
FCMI3216-100	10.00	50.00	25.00	0.40	
FCMI3216-150	15.00	50.00	5.00	0.70	
FCMI3216-180	18.00	50.00	5.00	0.70	
FCMI3216-220	22.00	50.00	5.00	0.90	
FCMI3216-330	33.00	35.00	25.00	0.90	

测试状态

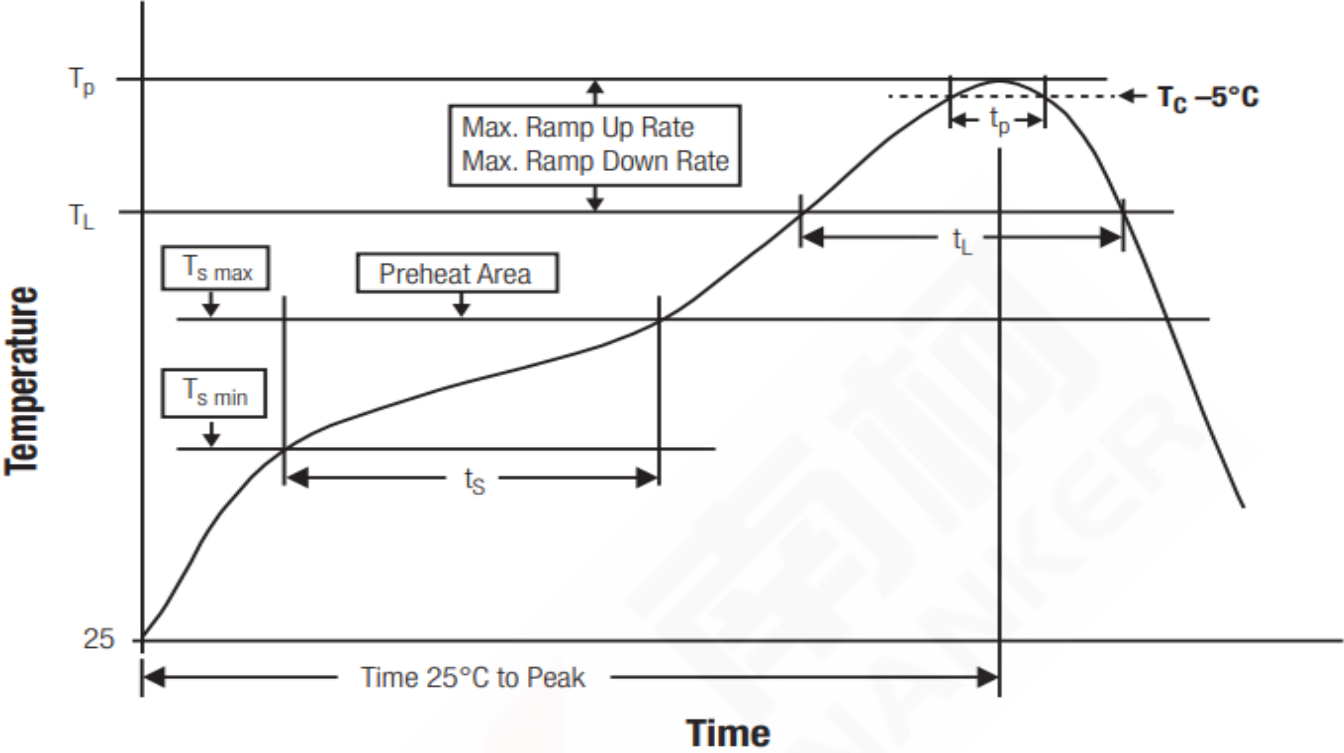
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回流焊曲线图

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.