

4路共模扼流滤波器

DC Common Mode (Line Filter)



特性

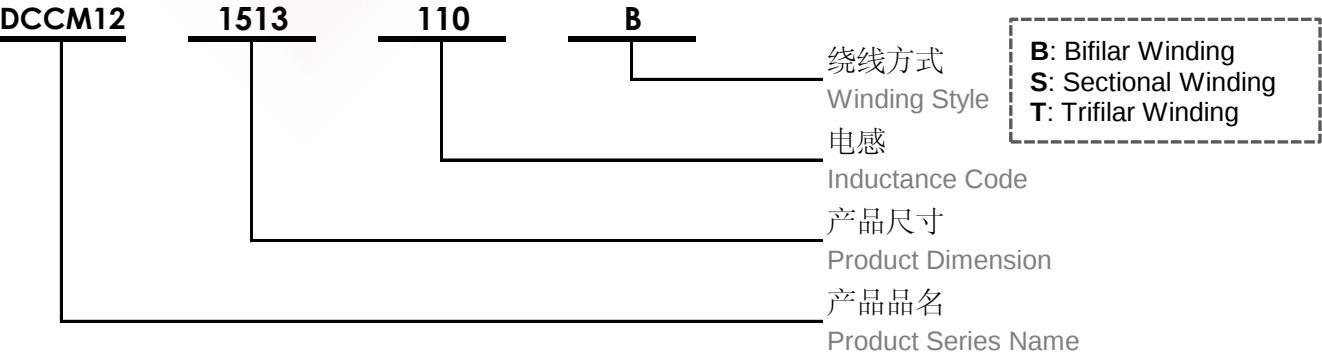
- Characteristics
- 高电感范围
High Inductance Range
- 高电流范围
High current range
- 表面贴装技术
Surface mount technology
- 宽范围的滤波频段
Wide range of filtering spectrum

应用

- Application
- 直流电源线
DC power lines
- Buck-/Boost变换器滤波
Buck-/ Boost Converter filtering
- 低比特率数据线
Datalines with low bitrate
- 高负载线路
Heavily influence lines

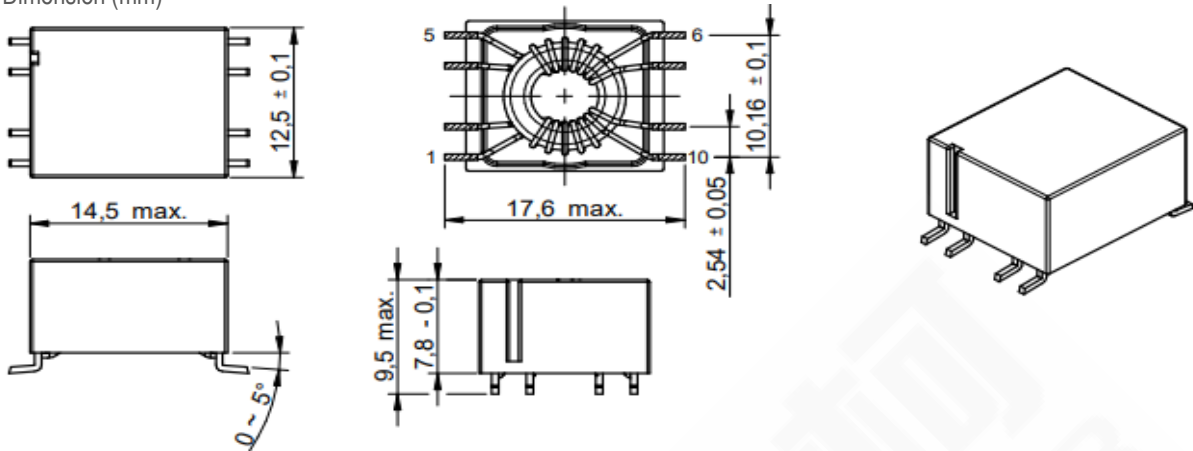
产品品名介绍

Product Number Structure





尺寸
Dimension (mm)



焊盘推荐
Land Pattern Recommended (mm)

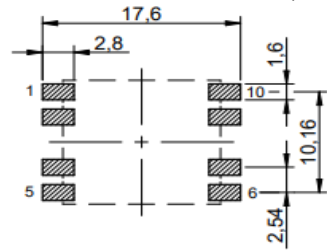


示意图
Schematics



电性特性
Electrical Properties

型号 Part No.	电感 Inductance mH	漏感 Leakage Current nH	温升电流 Rated Current I _R max 40°C (A)	直流电阻 DCResistance DCR _{max} (mΩ)	绕线方式 Winding Style	包装数量 Packaging Qty pcs
DCCM12-1513-130S	0.013 ±30%	110 max	10.00	2.70	Sectional	250
DCCM12-1513-560S	0.056 ±30%	330 max	7.00	4.70	Sectional	250
DCCM12-1513-121S	0.120 ±30%	680 max	5.50	10.50	Sectional	250

测试状态

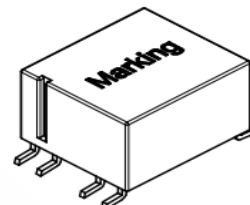
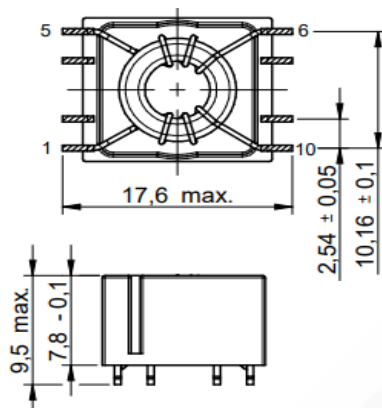
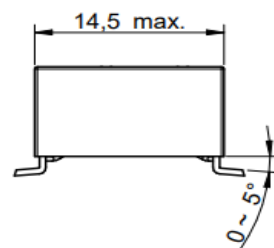
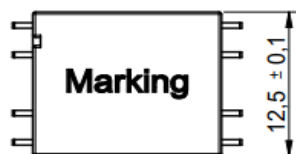
Test Condition

- ☆ 电感测试条件为 10kHz / 50mV (25°C)
Inductance measure condition at 10kHz / 50mV (25°C)
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 速率电压: 80V
Rated Voltage: 80V



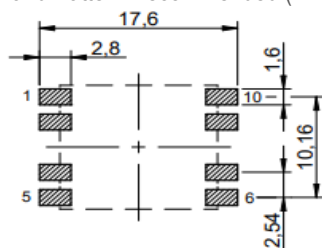
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

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DCCM12-1513-321S	0.32 ±30%	2,200 max	3.25	29	Sectional	250
DCCM12-1513-152S	1.50 ±30%	13,000 max	1.50	120	Sectional	250
DCCM12-1513-472S	4.70 ±30%	25,000 max	0.75	520	Sectional	250
DCCM12-1513-103S	10.00 ±30%	83,000 max	0.50	920	Sectional	250
DCCM12-1513-283S	28.00 ±30%	220,000 max	0.30	2,800	Sectional	250
DCCM12-1513-473S	47.00 ±30%	460,000 max	0.25	4,000	Sectional	250
DCCM12-1513-683S	68.00 ±30%	960,000 max	0.20	5,000	Sectional	250
DCCM12-1513-104S	100.00 ±30%	780,000 max	0.15	8,500	Sectional	250

测试状态

Test Condition

☆ 电感测试条件为 10kHz / 50mV (25°C)

Inductance measure condition at 10kHz / 50mV (25°C)

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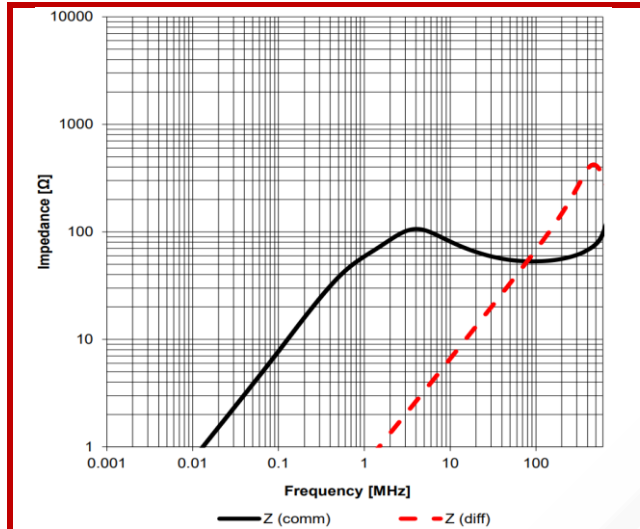
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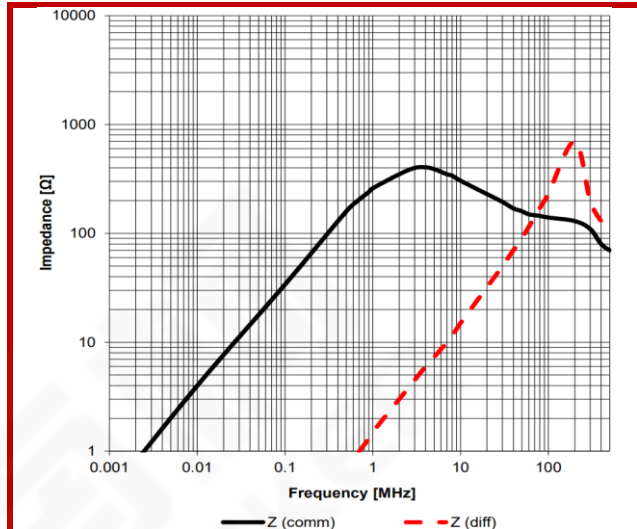
典型阻抗特性

Typical Impedance Characteristics

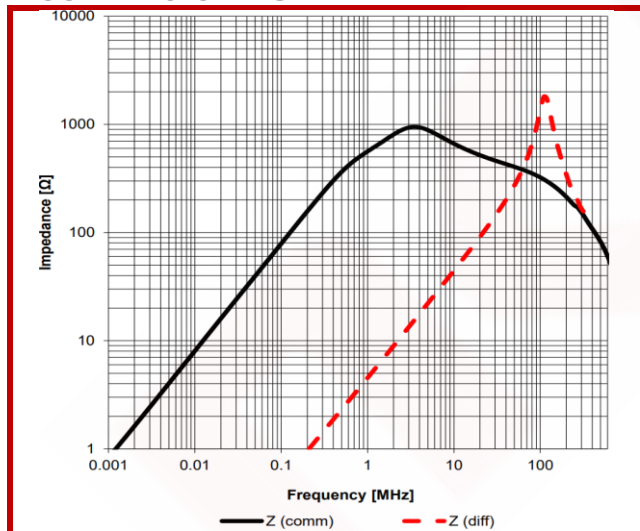
DCCM12-1513-130S



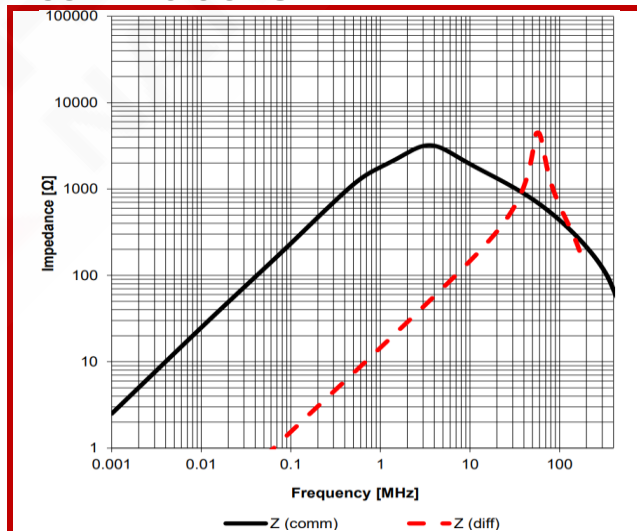
DCCM12-1513-560S



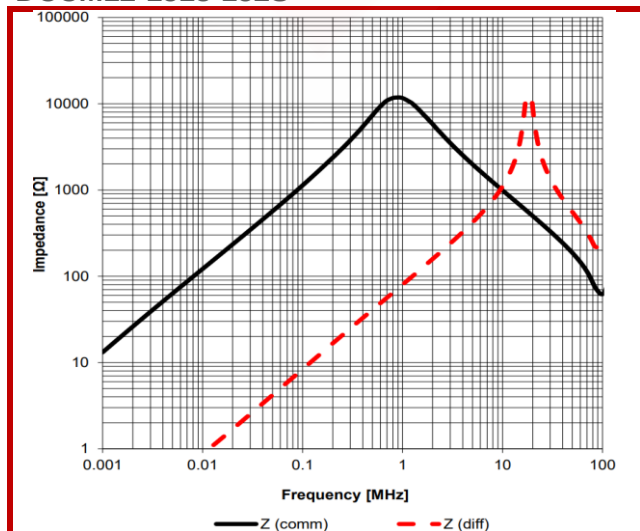
DCCM12-1513-121S



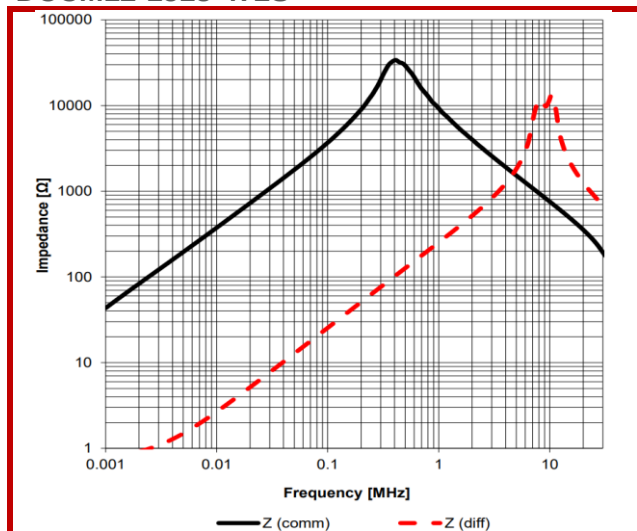
DCCM12-1513-321S



DCCM12-1513-152S



DCCM12-1513-472S

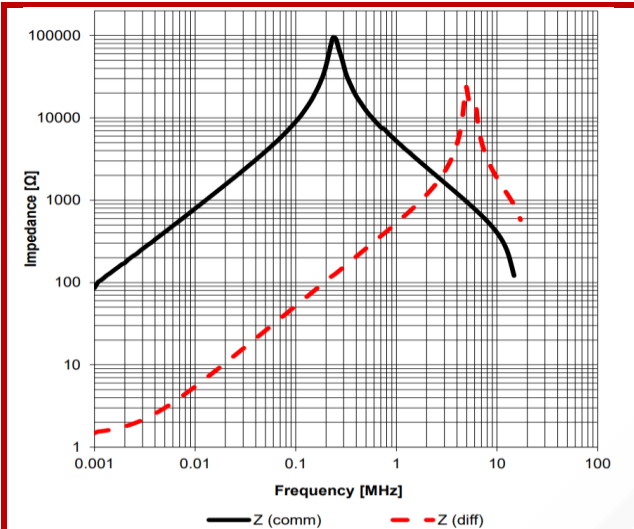




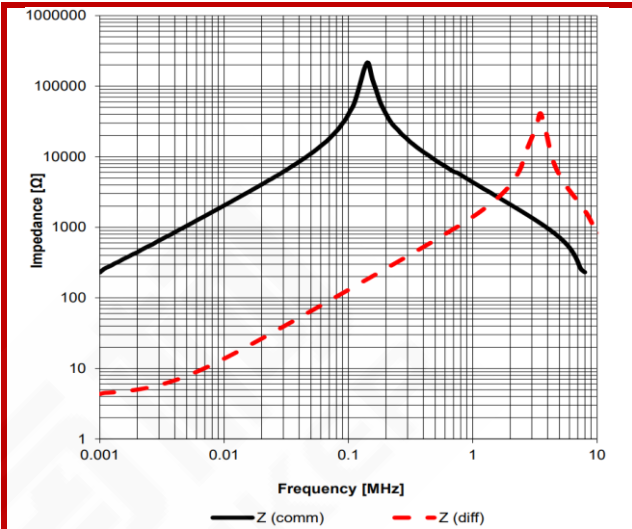
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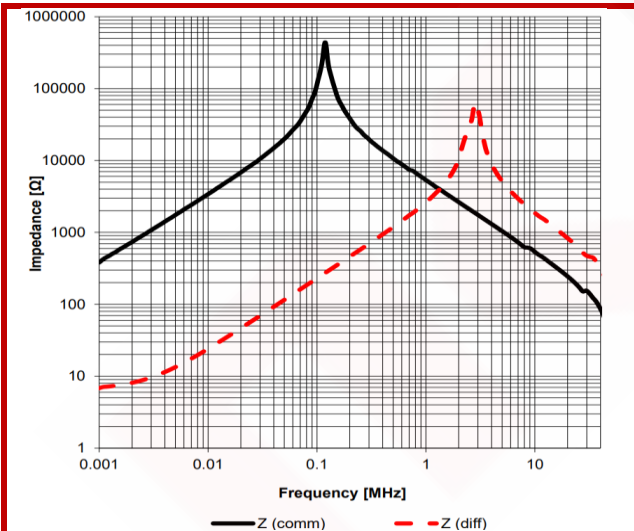
DCCM12-1513-103S



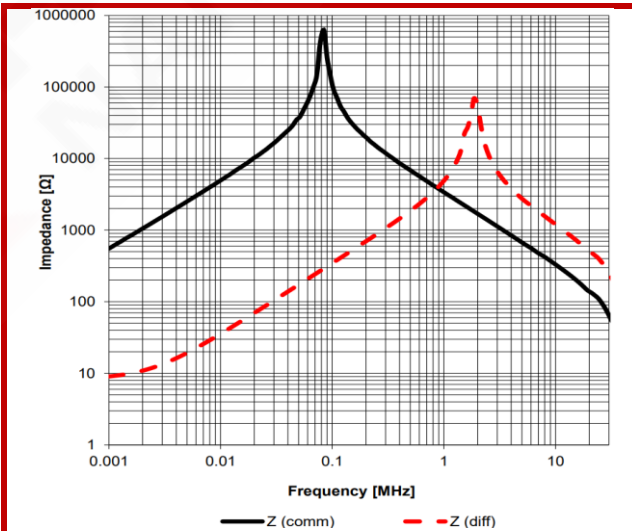
DCCM12-1513-283S



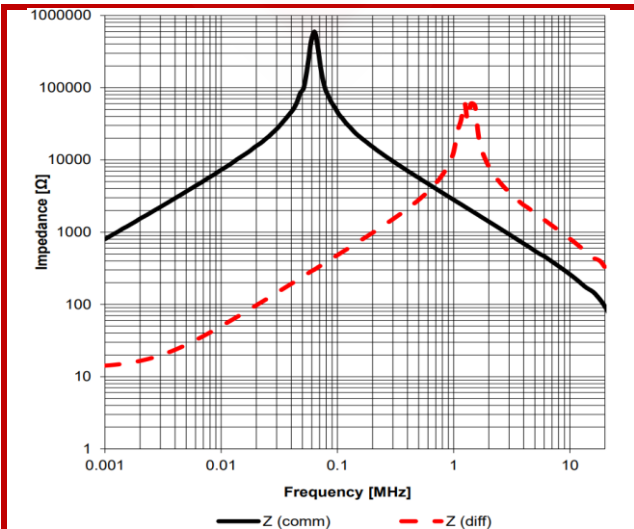
DCCM12-1513-473S



DCCM12-1513-683S



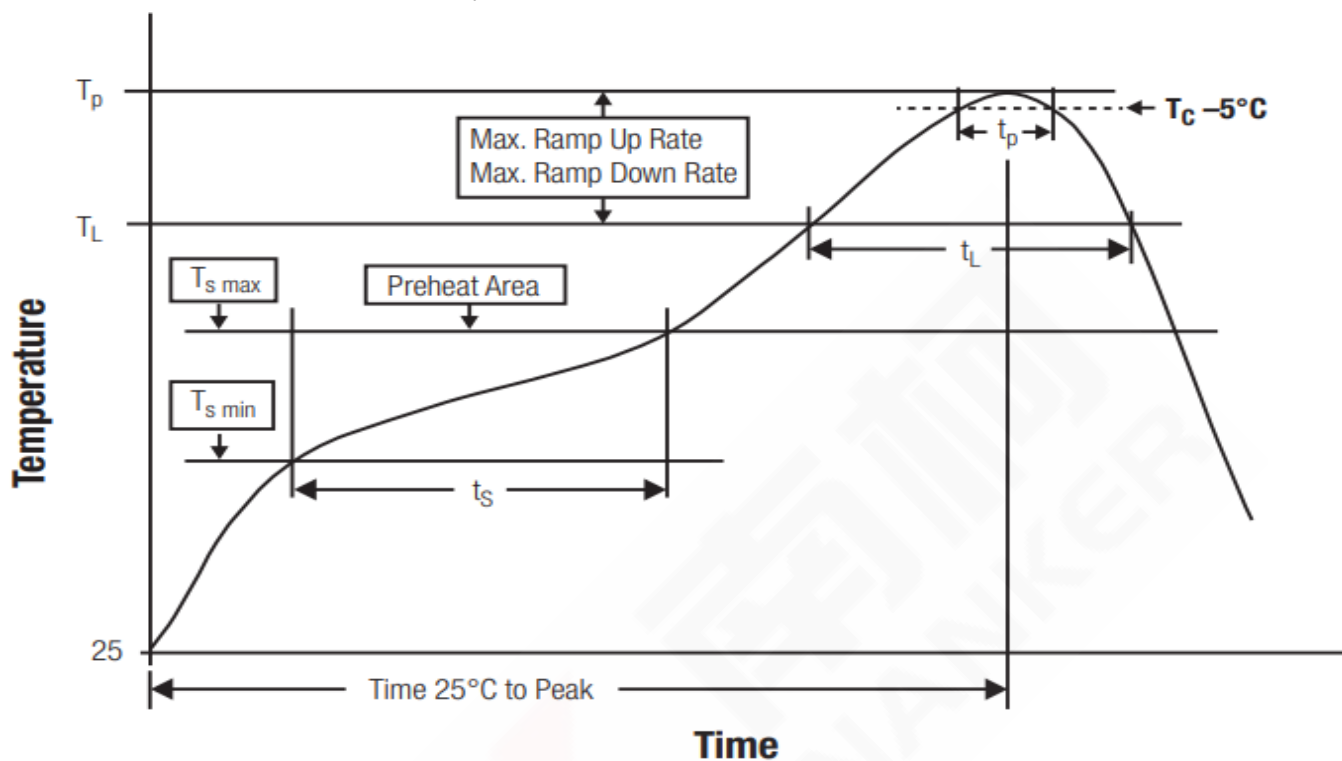
DCCM12-1513-104S





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.