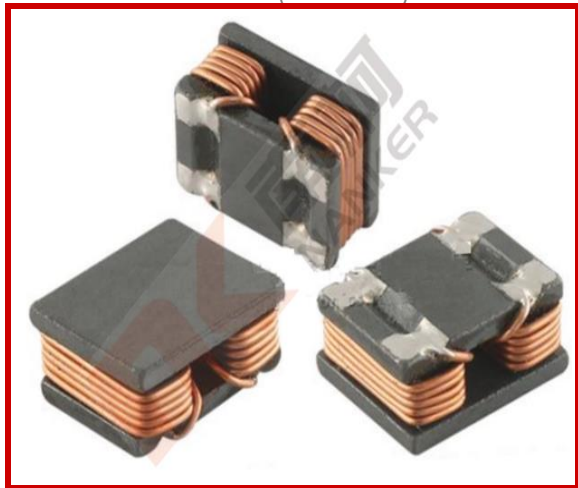


共模扼流滤波器

DC Common Mode (Line Filter)



特性

Characteristics

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

DCCM16

070603

110

B

绕线方式

Winding Style

电感

Inductance Code

产品尺寸

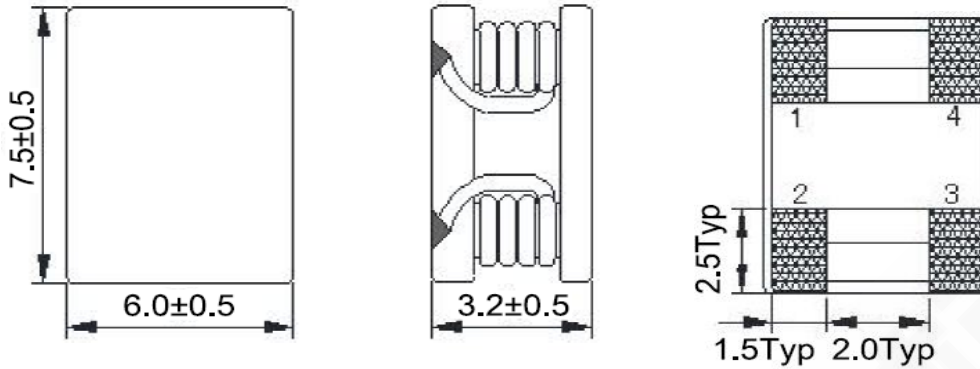
Product Dimension

产品品名

Product Series Name

B: Bifilar Winding
S: Sectional Winding
T: Trifilar Winding

尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

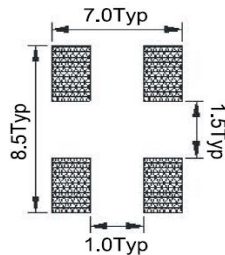
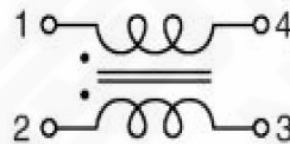


示意图 Schematics



电性特性 Electrical Properties

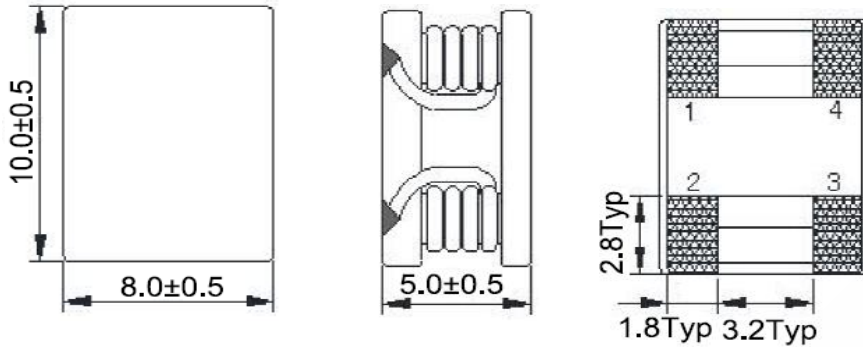
型号 Part No.	阻抗 Impedance Z (Ω) 100MHz / 0.50V				直流电阻 DCResistance DCRmax (mΩ)	直流电流 IDC 40°C max (A)	绕线方式 Winding Style
DCCM16-0806-301S	200	min	300	typ	20.00	2.00	Sectional
DCCM16-0806-501S	300	min	500	typ	25.00	2.00	Sectional
DCCM16-0806-801S	600	min	800	typ	30.00	2.00	Sectional
DCCM16-0806-102S	800	min	1,000	typ	58.00	1.50	Sectional

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: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C

尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

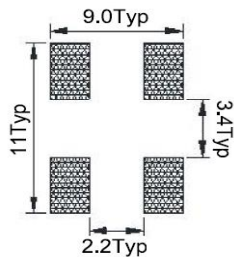
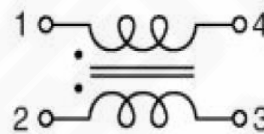


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	阻抗 Impedance Z (Ω) 100MHz / 0.50V			直流电阻 DCResistance DCRmax (mΩ)	直流电流 IDC 40°C max (A)	绕线方式 Winding Style
DCCM16-1008-551S	500	min	550 typ	10.00	5.00	Sectional
DCCM16-1008-601S	500	min	600 typ	30.00	4.50	Sectional
DCCM16-1008-651S	500	min	650 typ	30.00	4.50	Sectional
DCCM16-1008-701S	500	min	700 typ	30.00	4.50	Sectional
DCCM16-1008-102S	700	min	1,000 typ	45.00	4.00	Sectional

测试状态

Test Condition

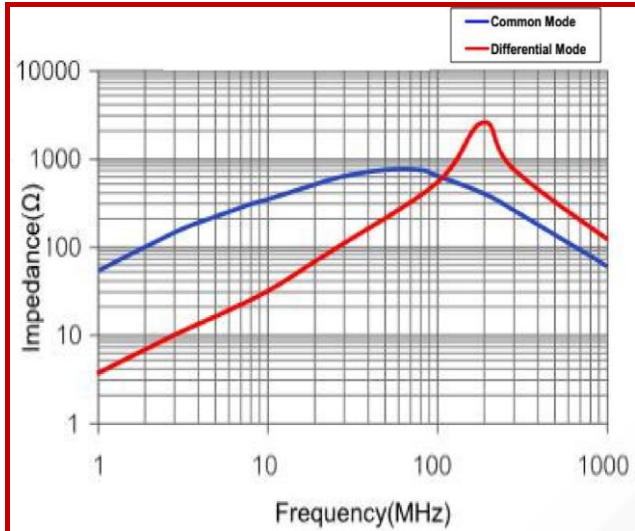
- ☆ 阻抗测试条件为 100MHz (25°C)
Impedance measure condition at 100MHz (25°C)
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C



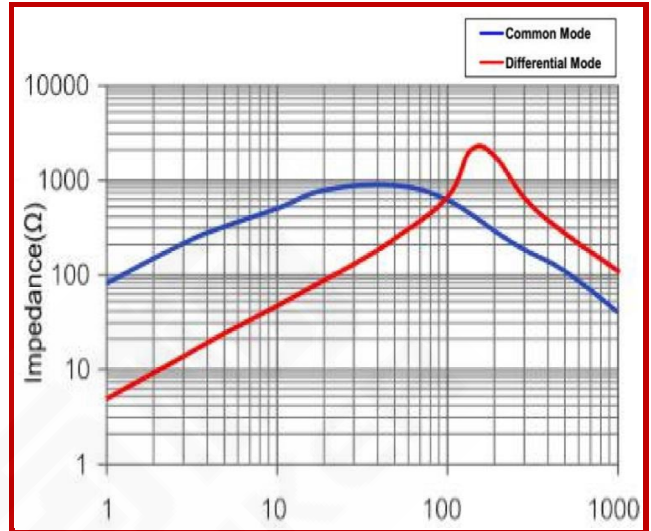
典型阻抗特性

Typical Impedance Characteristics

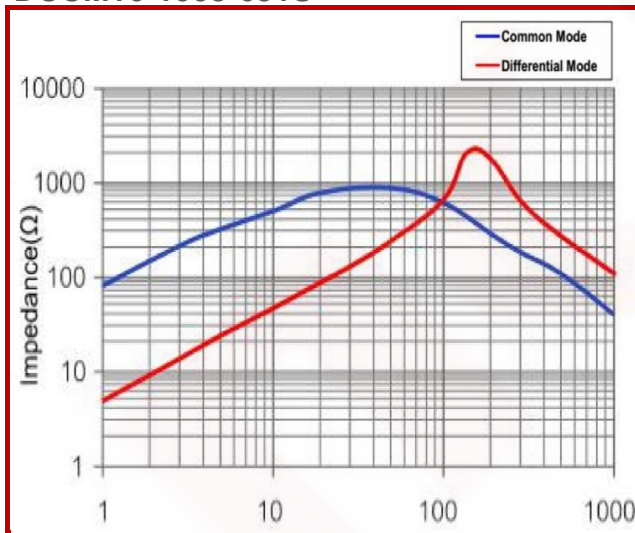
DCCM16-1008-551S



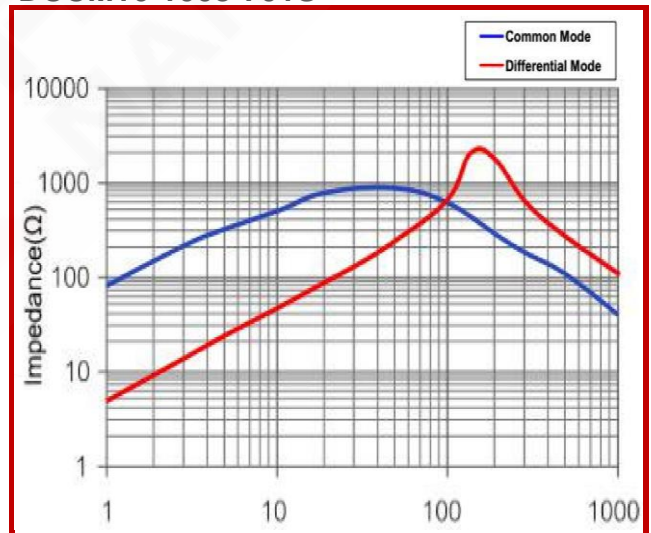
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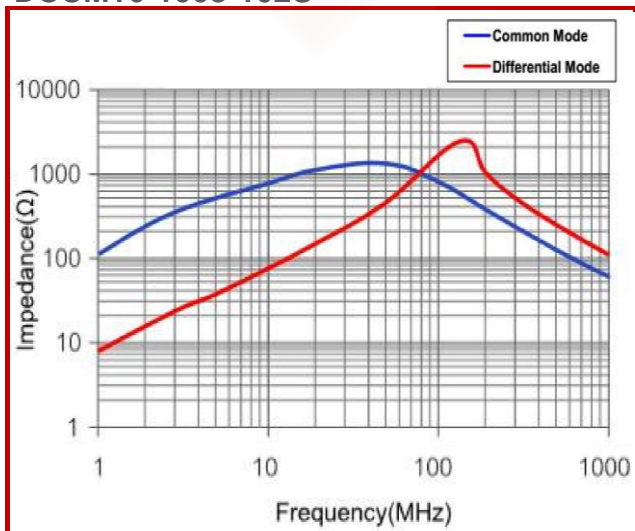
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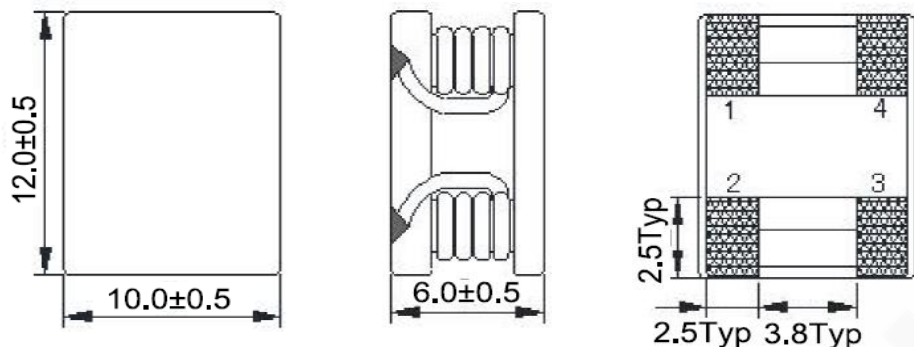
DCCM16-1008-701S



DCCM16-1008-102S



尺寸 Dimension (mm)



焊盘推荐 Land Pattern Recommended (mm)

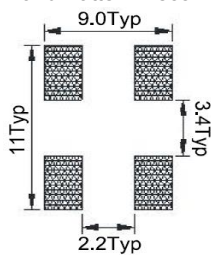
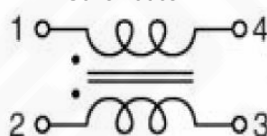


示意图 Schematics



电性特性 Electrical Properties

型号 Part No.	阻抗 Impedance Z (Ω) 100MHz / 0.50V				直流电阻 DCResistance DCRmax (mΩ)	直流电流 IDC 40°C max (A)	绕线方式 Winding Style
DCCM16-1210-901S	700	min	900	typ	12.00	6.00	Sectional
DCCM16-1210A-122S	800	min	1,200	typ	20.00	5.00	Sectional
DCCM16-1210-122S	1,000	min	1,200	typ	20.00	5.00	Sectional
DCCM16-1210-142S	1,200	min	1,400	typ	36.00	4.00	Sectional

测试状态

Test Condition

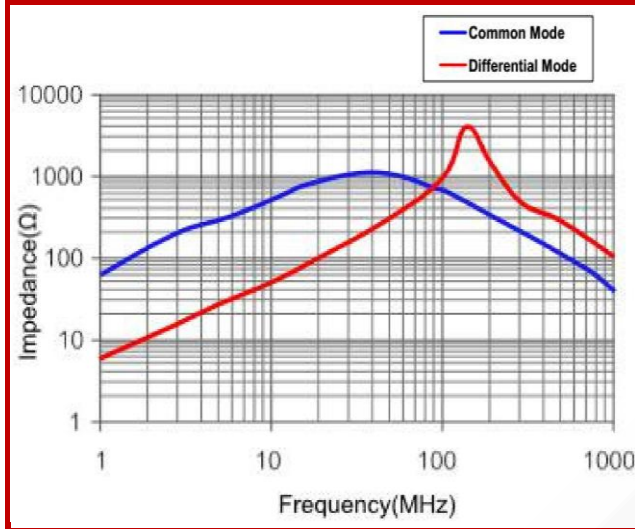
- ☆ 阻抗测试条件为 100MHz (25°C)
Impedance measure condition at 100MHz (25°C)
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C



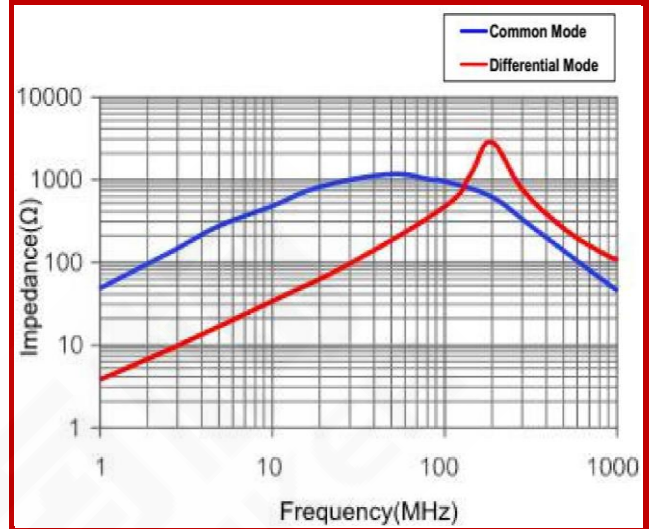
典型阻抗特性

Typical Impedance Characteristics

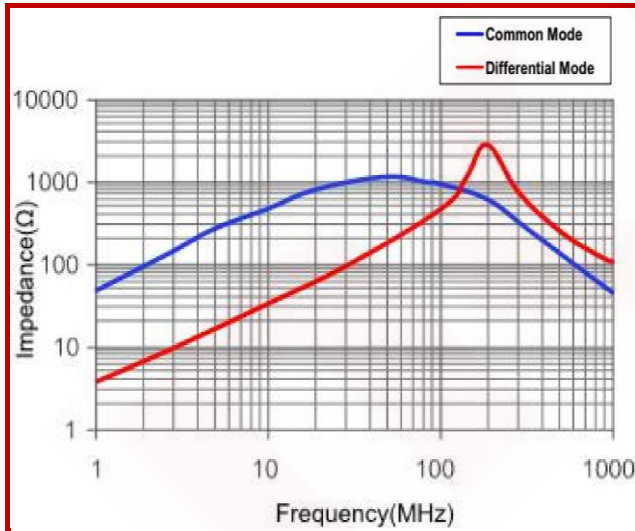
DCCM16-1210-901S



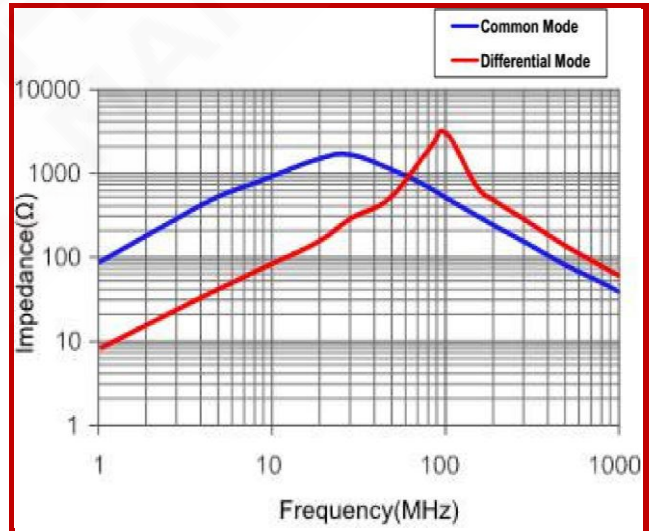
DCCM16-1210A-122S



DCCM16-1210-122S



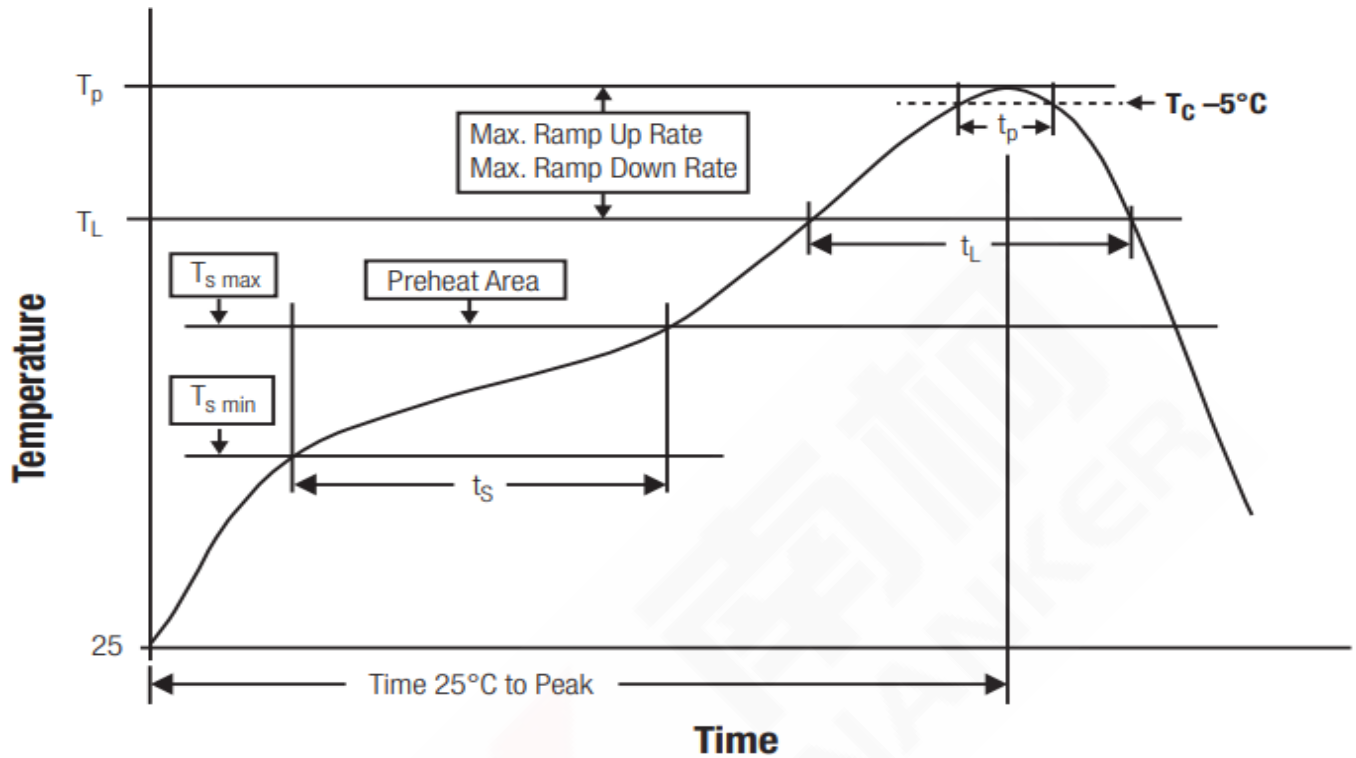
DCCM16-1210-142S





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.