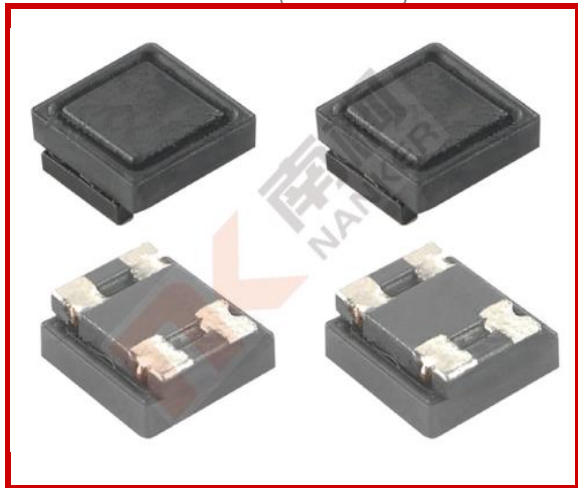


### 共模扼流滤波器

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

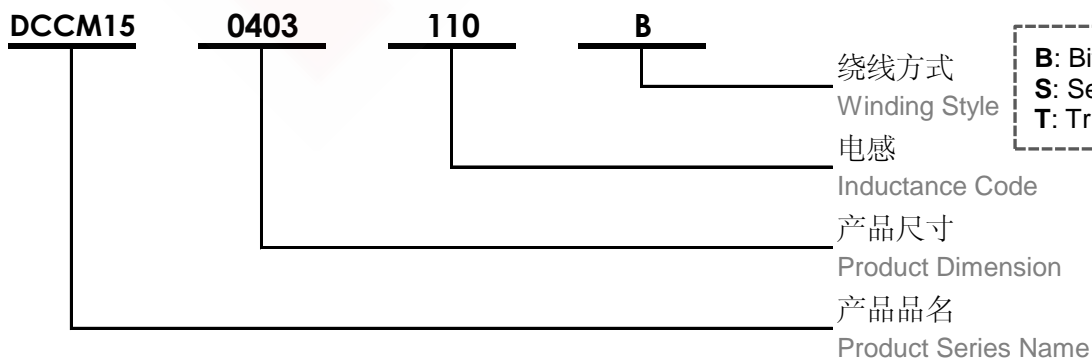
Datalines with low bitrate

高负载线路

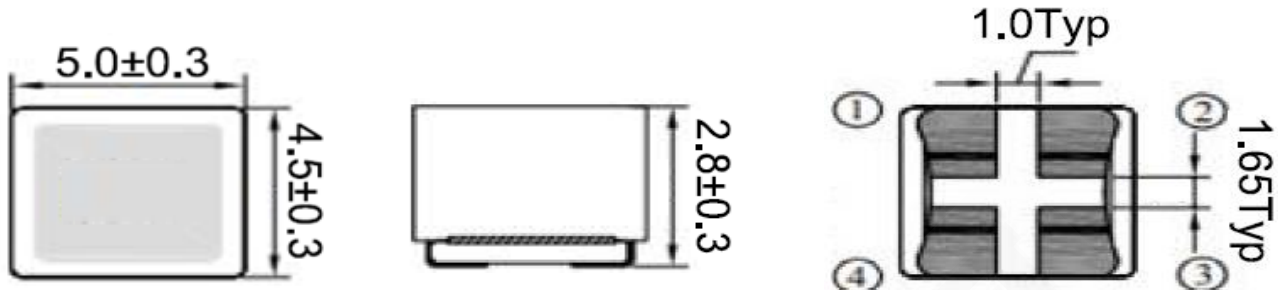
Heavily influence lines

#### 产品品名介绍

Product Number Structure



尺寸  
Dimension (mm)



焊盘推荐  
Land Pattern Recommended (mm)

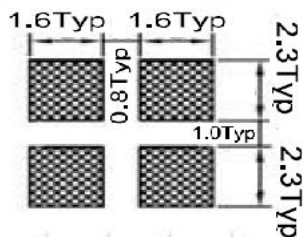
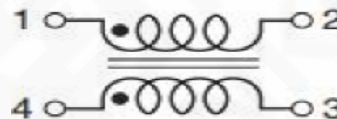


示意图  
Schematics



电性特性  
Electrical Properties

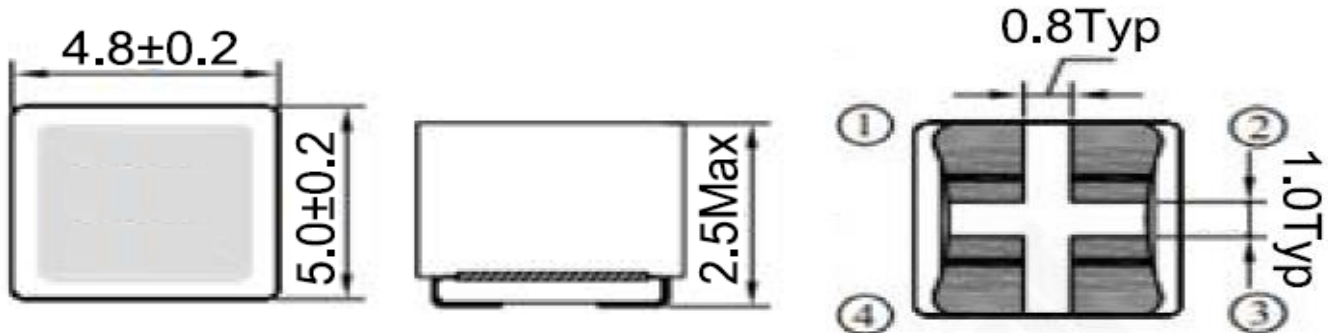
型号 Part No.	阻抗 Impedance Z (Ω) 100MHz/0.50V	温升电流 Rated Current I <sub>r</sub> max 40°C (A)	直流电阻 DCResistance DCR <sub>max</sub> (mΩ)	额定电压 Rated Voltage V <sub>bc</sub> max	IR (MΩ) min
DCCM15-050528-101B	100 typ	6.00	9.00 ±40%	50.00	9.00~11.00
DCCM15-050528-251B	250 typ	5.00	14.00 ±40%	50.00	9.00~11.00
DCCM15-050528-501B	500 typ	2.00	19.00 ±40%	50.00	9.00~11.00
DCCM15-050528-102B	1,000 ±30%	2.00	24.00 ±40%	50.00	9.00~11.00
DCCM15-050528-142B	1,400 typ	2.00	40.00 ±40%	50.00	9.00~11.00

### 测试状态

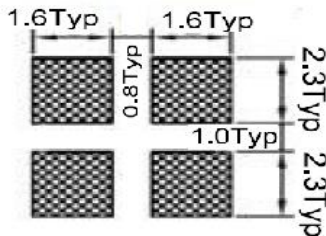
Test Condition

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

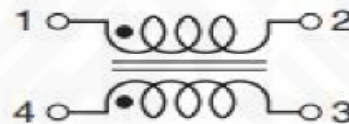
### 尺寸 Dimension (mm)



### 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	温升电流 Rated Current I <sub>r</sub> max 40°C (A)	直流电阻 DC Resistance DCR <sub>max</sub> (mΩ)	额定电压 Rated Voltage V <sub>dc</sub> max	IR (MΩ) min
DCCM15-050525-101B	100 typ	6.00	13.00	50.00	10.00
DCCM15-050525-251B	250 typ	5.00	20.00	50.00	10.00
DCCM15-050525-501B	500 typ	4.00	27.00	50.00	10.00
DCCM15-050525-102B	1,000 typ	2.00	34.00	50.00	10.00
DCCM15-050525-142B	1,400 typ	1.50	56.00	50.00	10.00
DCCM15-050525-152B	1,500 typ	1.50	56.00	50.00	10.00

### 测试状态

Test Condition

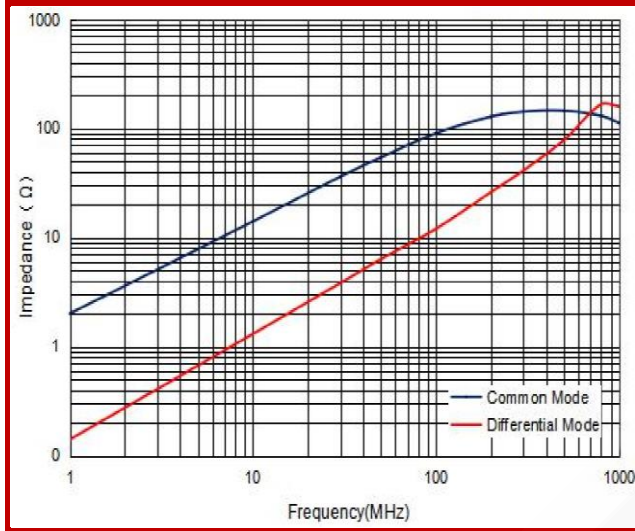
- ☆ 阻抗测试条件为 100MHz (25°C)  
Impedance measure condition at 100MHz (25°C)
- ☆ 工作温度: -40°C ~ +125°C  
Operating Temperature: -40°C ~ +125°C



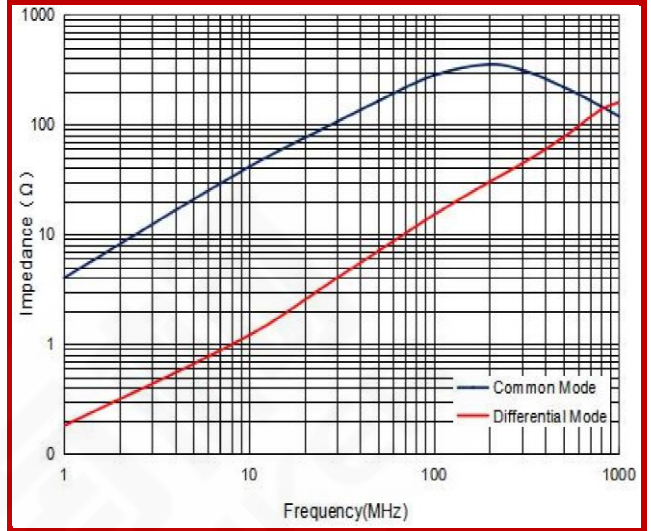
### 典型阻抗特性

Typical Impedance Characteristics

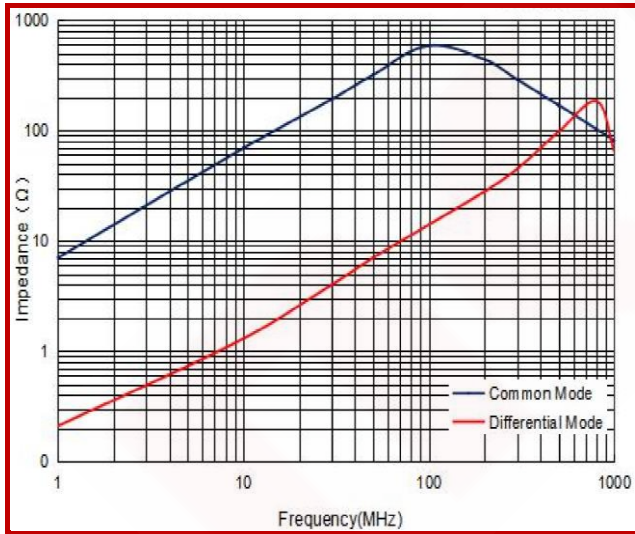
#### DCCM15-050525-101B



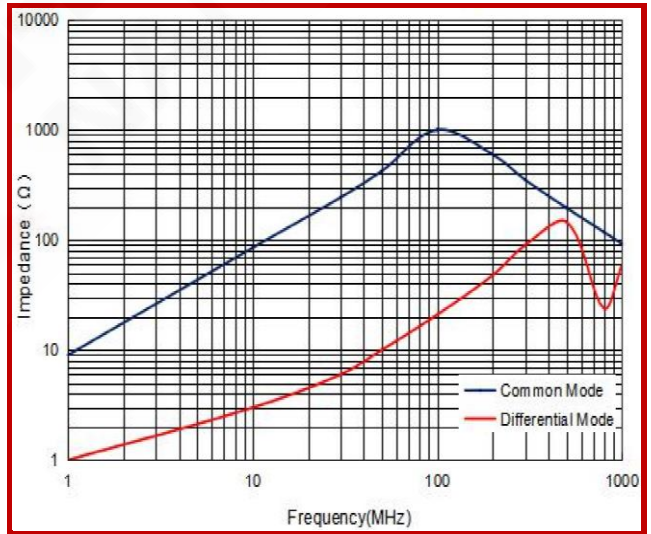
#### DCCM15-050525-251B



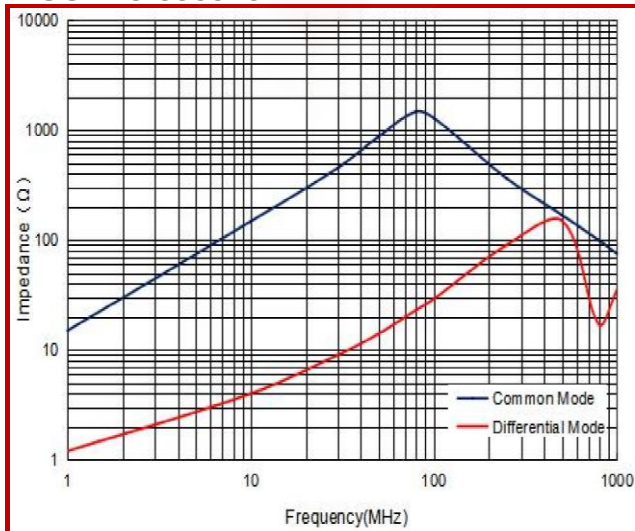
#### DCCM15-050525-501B



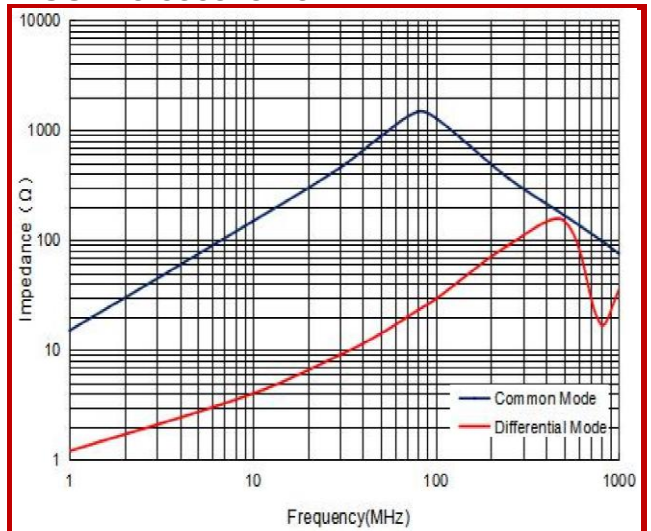
#### DCCM15-050525-102B



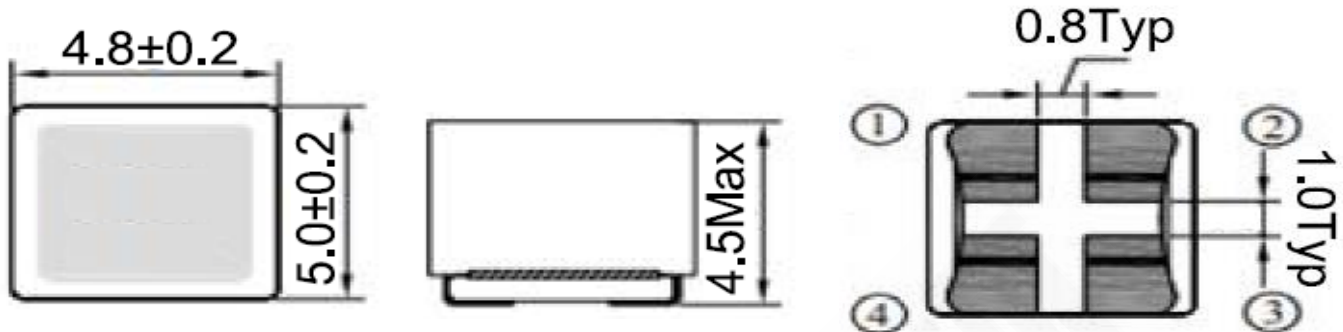
#### DCCM15-050525-142B



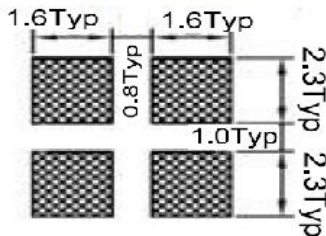
#### DCCM15-050525-152B



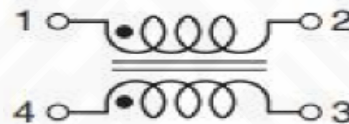
### 尺寸 Dimension (mm)



### 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	电感 Inductance (μH) 100kHz/0.10V	温升电流 Rated Current I <sub>r</sub> max 40°C (A)	直流电阻 DC Resistance DCR <sub>max</sub> (Ω)	额定电压 Rated Voltage V <sub>dc</sub> max	IR (MΩ) min
DCCM15-050545-191S	190 typ	0.60 typ	5.00	0.02	50.00	10.00
DCCM15-050545-351S	350 typ	1.10 typ	2.00	0.04	50.00	10.00
DCCM15-050545-501S	500 typ	2.30 typ	1.00	0.23	50.00	10.00
DCCM15-050545-102S	1,000 typ	3.70 typ	1.50	0.06	50.00	10.00
DCCM15-050545-152S	1,500 typ	5.60 typ	1.00	0.10	50.00	10.00
DCCM15-050545-302S	3,000 typ	8.00 typ	0.50	0.20	50.00	10.00
DCCM15-050545-402S	4,000 typ	1.80 typ	0.20	0.30	50.00	10.00

### 测试状态

Test Condition

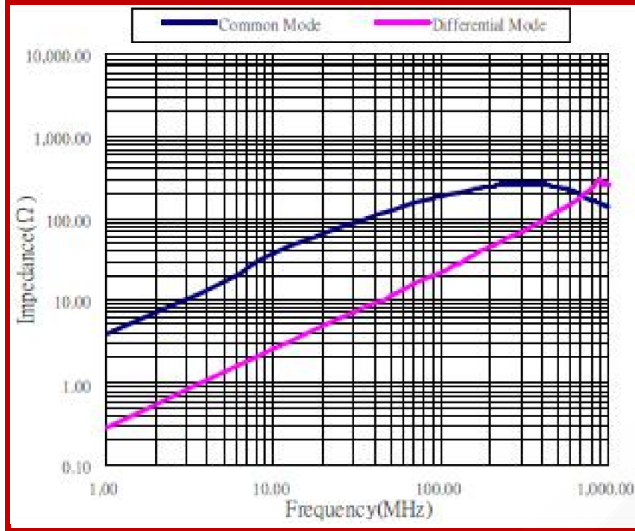
- ☆ 阻抗测试条件为 100MHz (25°C)  
Impedance measure condition at 100MHz (25°C)
- ☆ 工作温度: -40°C ~ +125°C  
Operating Temperature: -40°C ~ +125°C



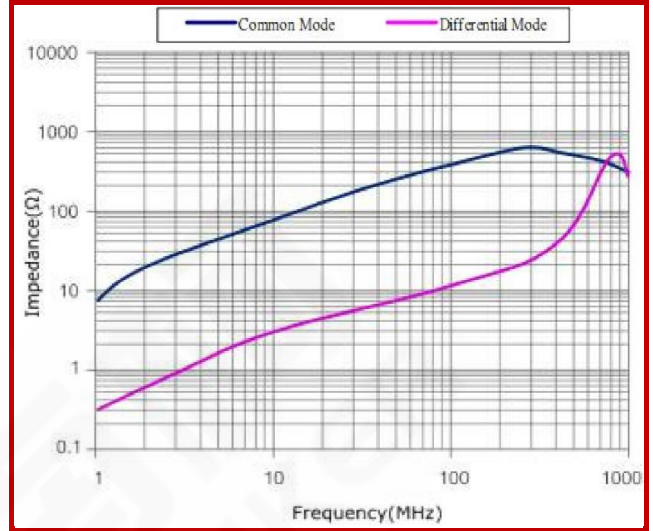
### 典型阻抗特性

Typical Impedance Characteristics

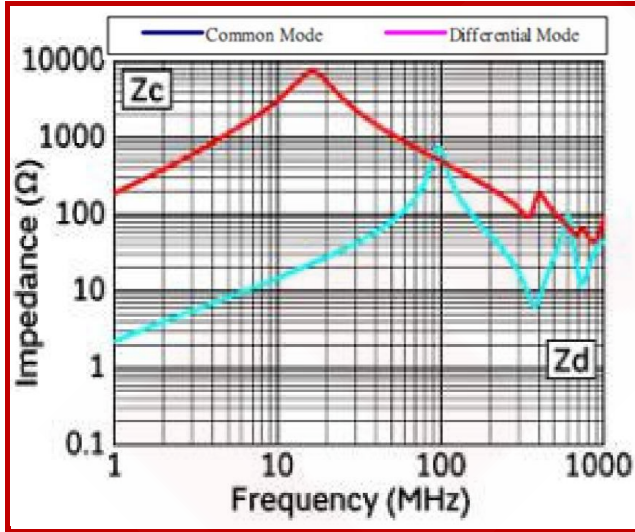
**DCCM15-050545-191S**



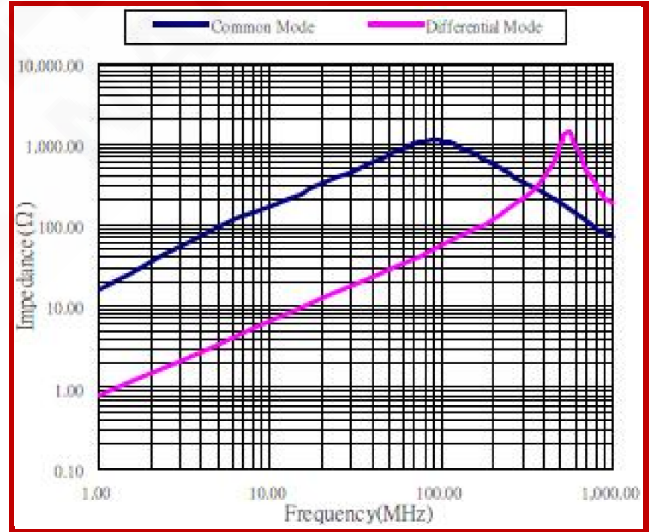
**DCCM15-050545-351S**



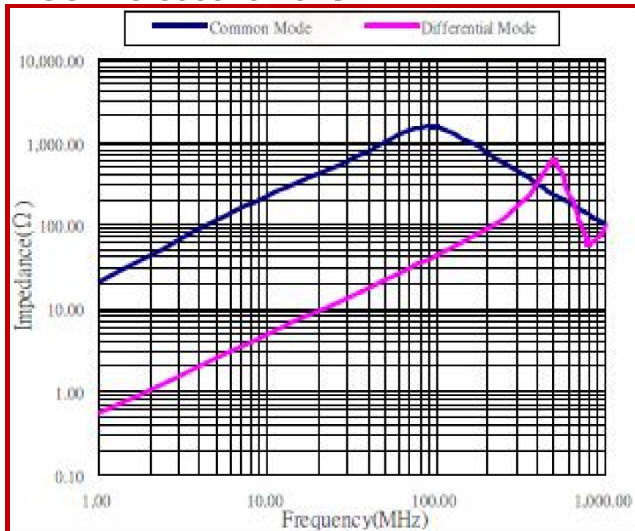
**DCCM15-050545-501S**



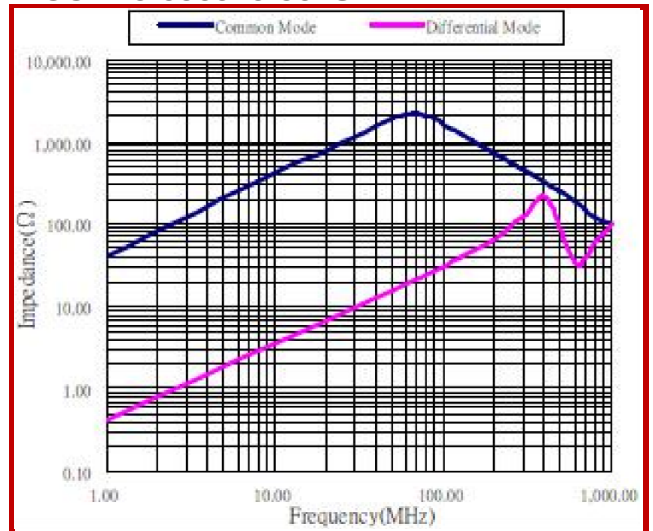
**DCCM15-050545-102S**



**DCCM15-050545-152S**



**DCCM15-050545-302S**

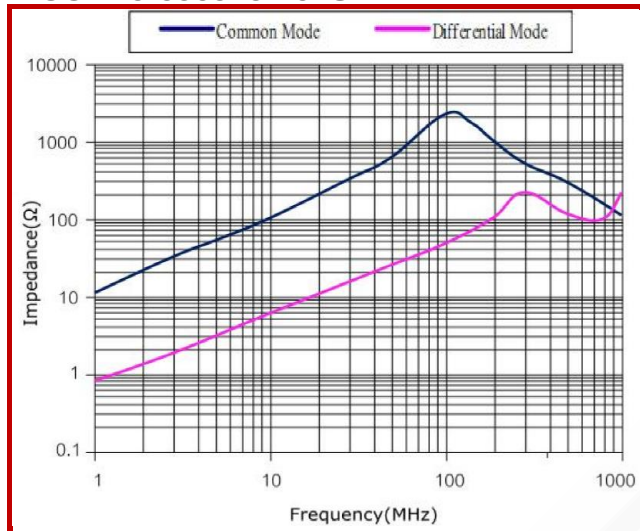




### 典型阻抗特性

Typical Impedance Characteristics

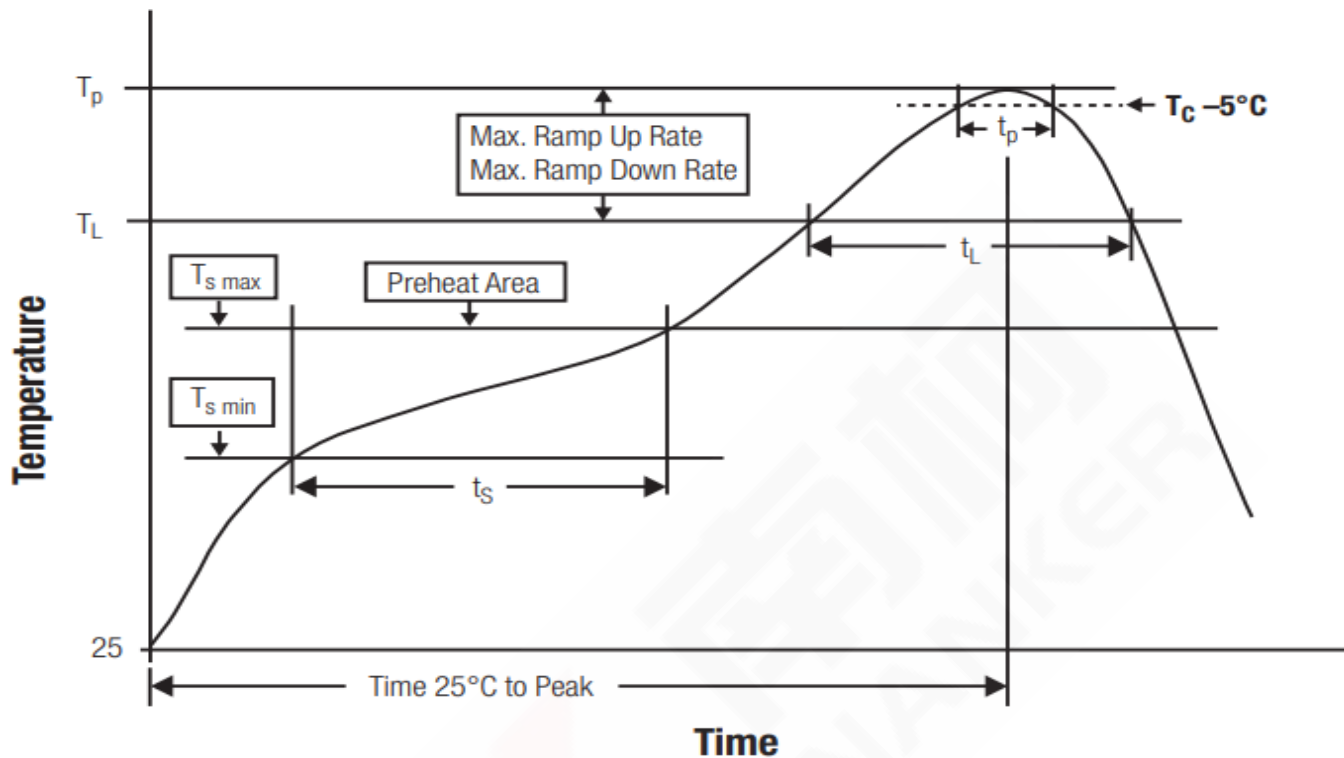
#### DCCM15-050545-402S





### 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 <sup>3</sup>	350~2,000 mm <sup>3</sup>	>2,000 mm <sup>3</sup>
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.