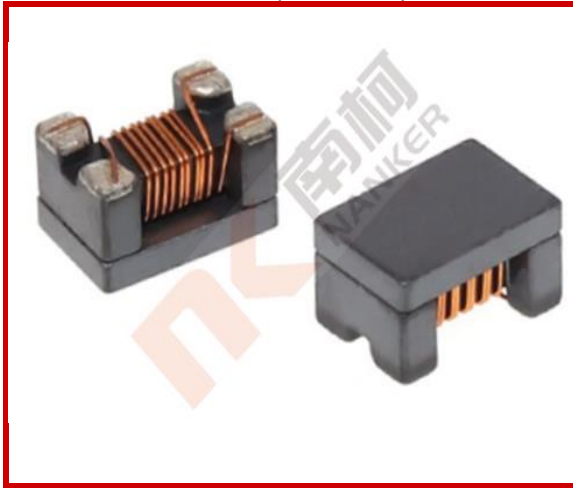


共模扼流滤波器

DC Common Mode (Line Filter)



特性

Characteristics

高频共模阻抗高，噪声抑制性能优良

High common mode impedance at high frequency effects excellent noise suppression performance

对于不同的噪声电频和信号频率，选择20Ω~2,000Ω阻抗
20Ω~2,000Ω are optional for different noise level and signal frequency

应用

Application

电脑和外围设备的USB 2.0线路

USB 2.0 line for personal computers and peripheral

用于计算机、DVC、机顶盒的IEEE 1394线路

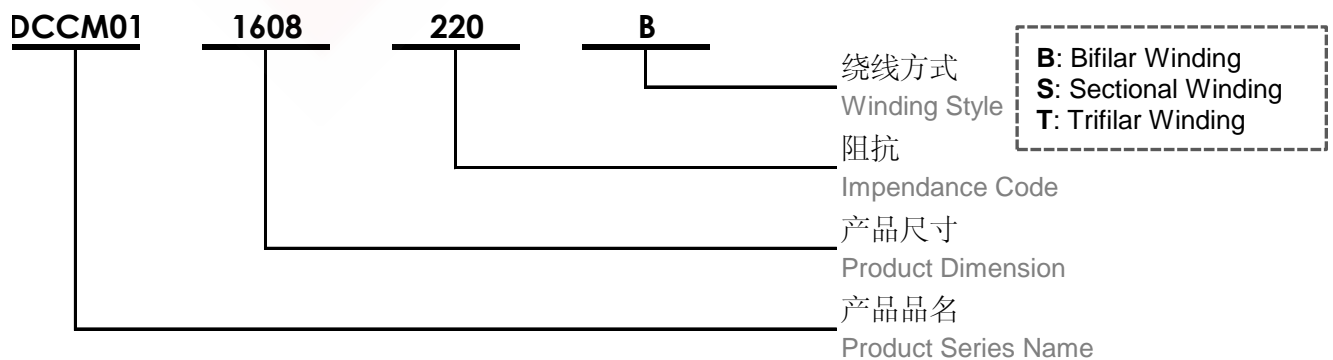
IEEE 1394 line for personal computers, DVC, STB

LVDS，用于液体显示面板的面板线，图形卡等

LVDS, panel line for liquid display panels, graph card, etc

产品品名介绍

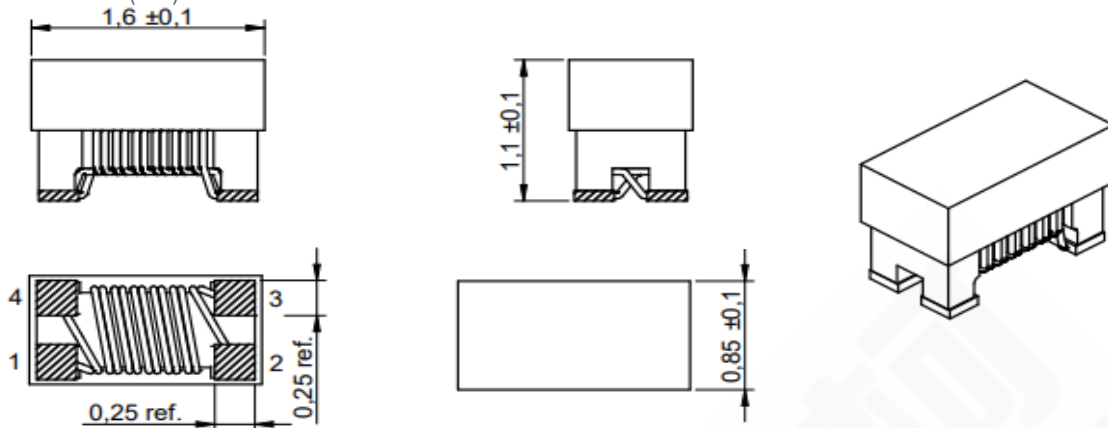
Product Number Structure





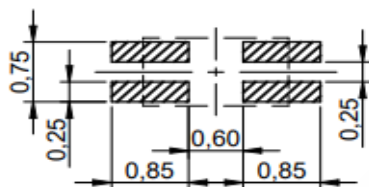
尺寸

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 I _r max 40°C (mA) | 直流电阻 DC Resistance DCR _{max} (Ω) | 额定电压 Rated Voltage V _R | 包装数量 Packaging Qty pcs |
|------------------|-----------------------|----------|---|---|---|------------------------------|
| | 10MHz | 100MHz | | | | |
| DCCM01-1608-220B | - | 22 ±25% | 800 | 0.080 | 50.00 | 2,000 |
| DCCM01-1608-450B | - | 45 ±25% | 650 | 0.110 | 50.00 | 2,000 |
| DCCM01-1608-900B | - | 90 ±25% | 550 | 0.145 | 50.00 | 2,000 |
| DCCM01-1608-121B | - | 120 ±25% | 450 | 0.175 | 50.00 | 2,000 |
| DCCM01-1608-181B | - | 180 ±25% | 400 | 0.210 | 50.00 | 2,000 |
| DCCM01-1608-251B | - | 250 ±25% | 350 | 0.280 | 50.00 | 2,000 |

测试状态

Test Condition

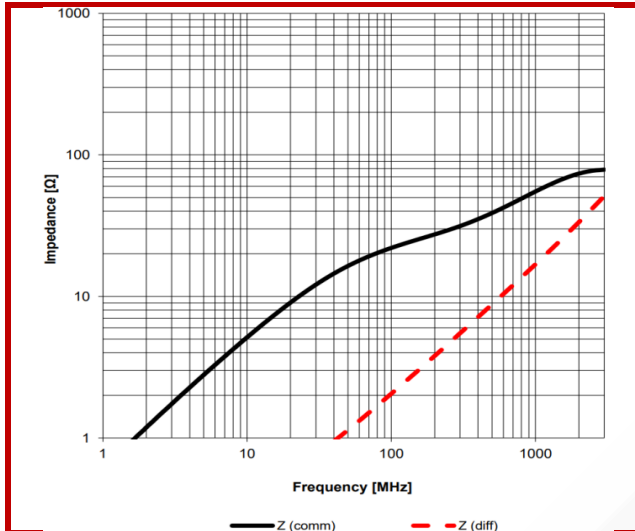
- ☆ 阻抗测试条件为 100MHz (25°C)
Impedance measure condition at 100MHz (25°C)
- ☆ 工作温度: -40°C ~ +105°C
Operating Temperature: -40°C ~ +105°C



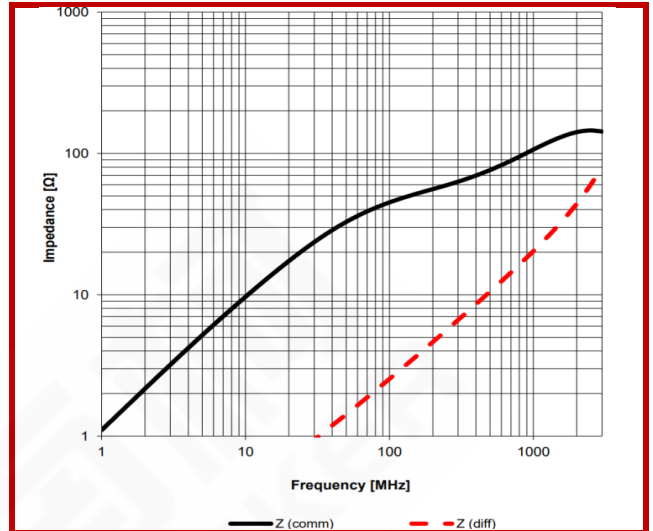
典型阻抗特性

Typical Impedance Characteristics

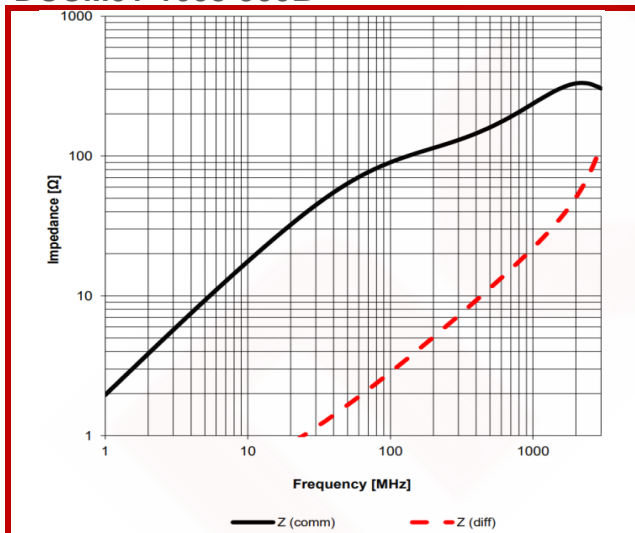
DCCM01-1608-220B



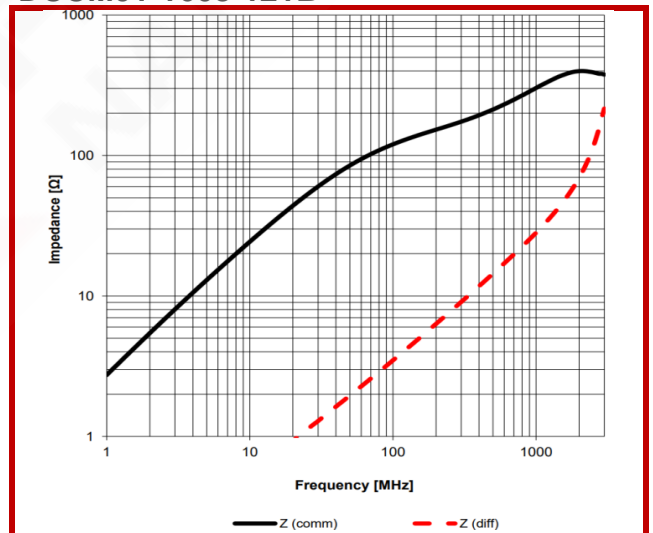
DCCM01-1608-450B



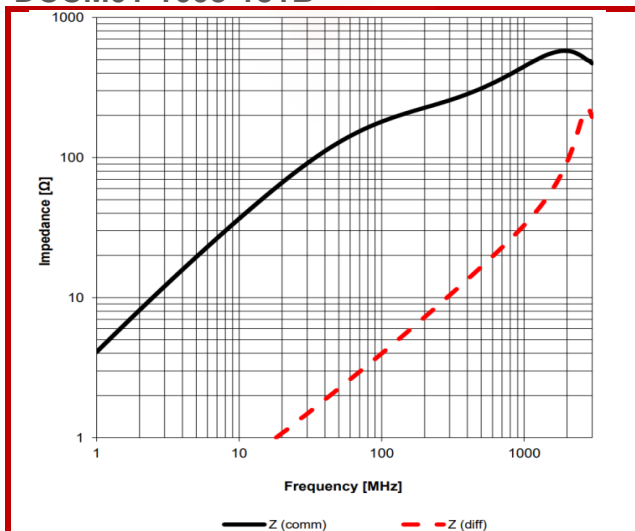
DCCM01-1608-900B



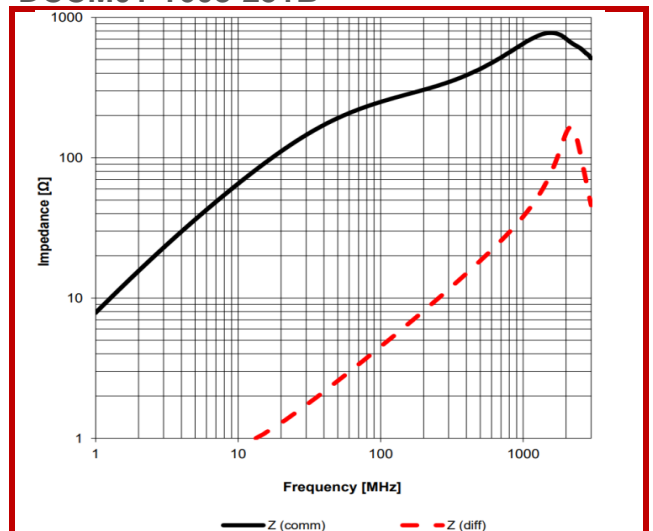
DCCM01-1608-121B



DCCM01-1608-181B



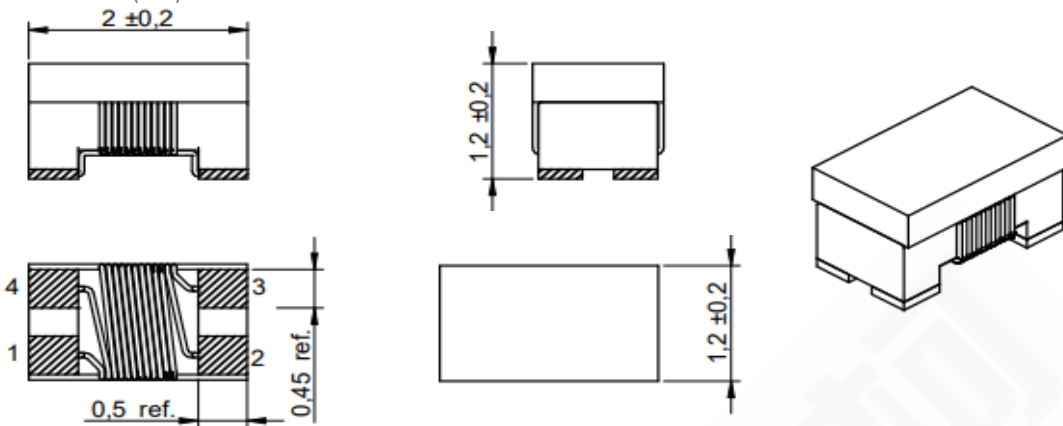
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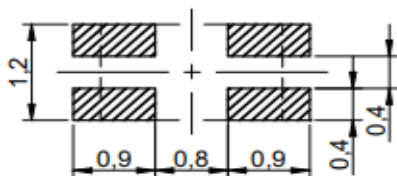
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

Electrical Properties

| 型号 Part No. | 阻抗 Impedance Z (Ω) | | 温升电流 Rated Current I _r max 40°C (mA) | 直流电阻 DC Resistance DCR _{max} (Ω) | 额定电压 Rated Voltage V _R | 包装数量 Packaging Qty pcs |
|------------------|-----------------------|----------|---|---|---|------------------------------|
| | 10MHz | 100MHz | | | | |
| DCCM01-2012-670B | - | 67 ±25% | 400 | 0.250 | 50.00 | 2,000 |
| DCCM01-2012-900B | - | 90 ±25% | 370 | 0.300 | 50.00 | 2,000 |
| DCCM01-2012-121B | - | 120 ±25% | 370 | 0.300 | 50.00 | 2,000 |
| DCCM01-2012-181B | - | 180 ±25% | 330 | 0.350 | 50.00 | 2,000 |
| DCCM01-2012-261B | - | 260 ±25% | 300 | 0.400 | 50.00 | 2,000 |
| DCCM01-2012-371B | - | 370 ±25% | 280 | 0.450 | 50.00 | 2,000 |

测试状态

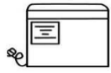
Test Condition

☆ 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

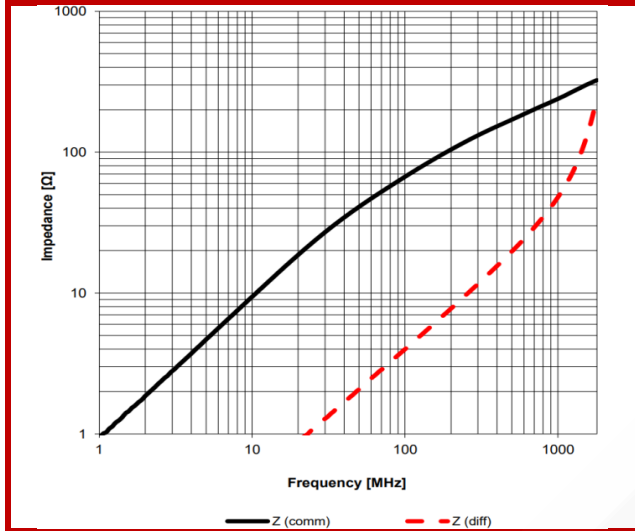
Operating Temperature: -40°C ~ +125°C



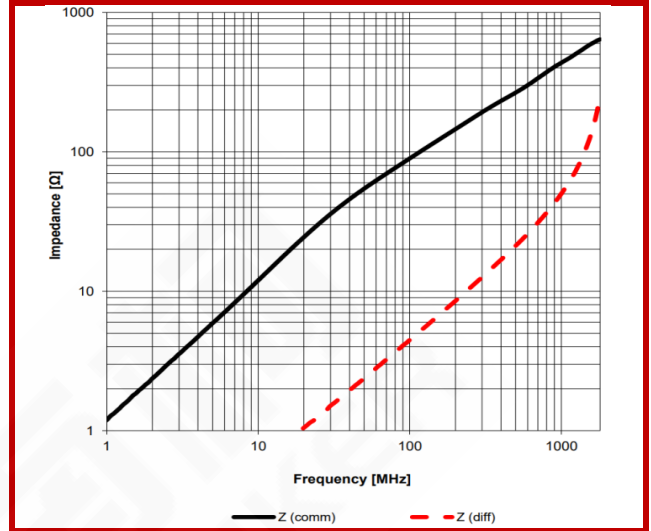
典型阻抗特性

Typical Impedance Characteristics

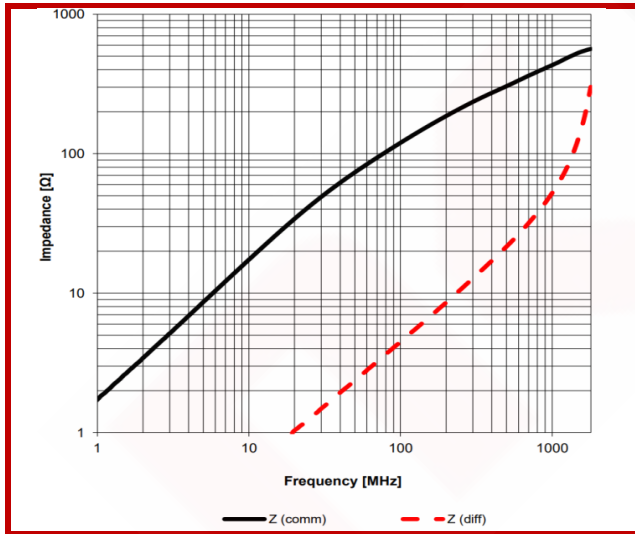
DCCM01-2012-670B



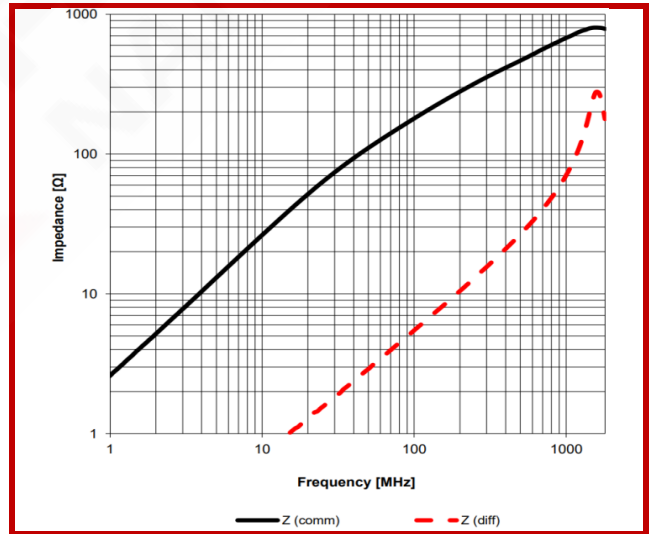
DCCM01-2012-900B



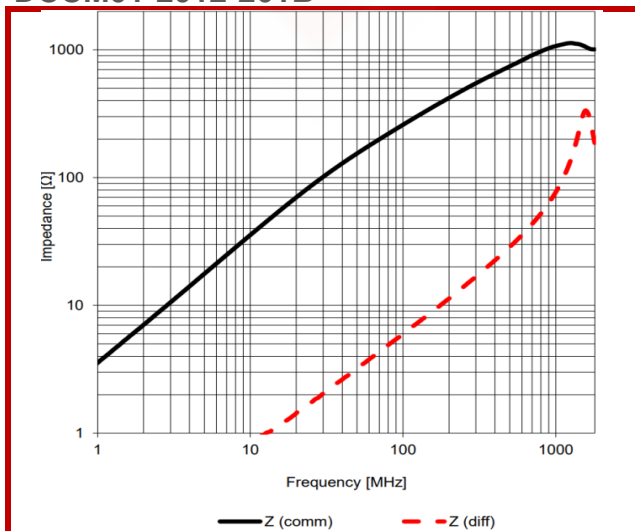
DCCM01-2012-121B



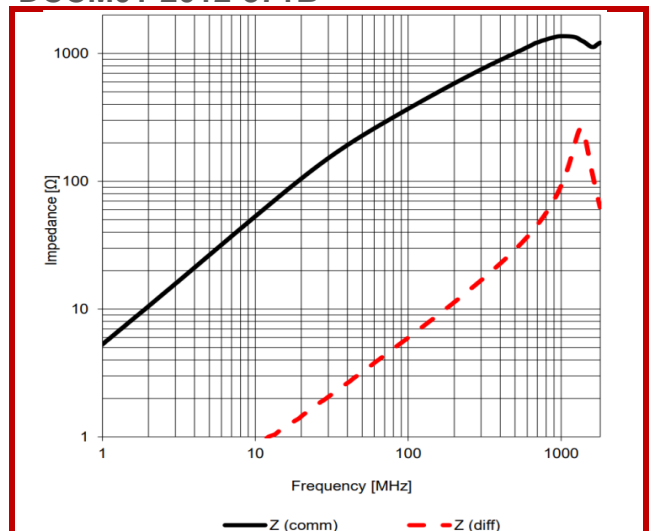
DCCM01-2012-181B



DCCM01-2012-261B



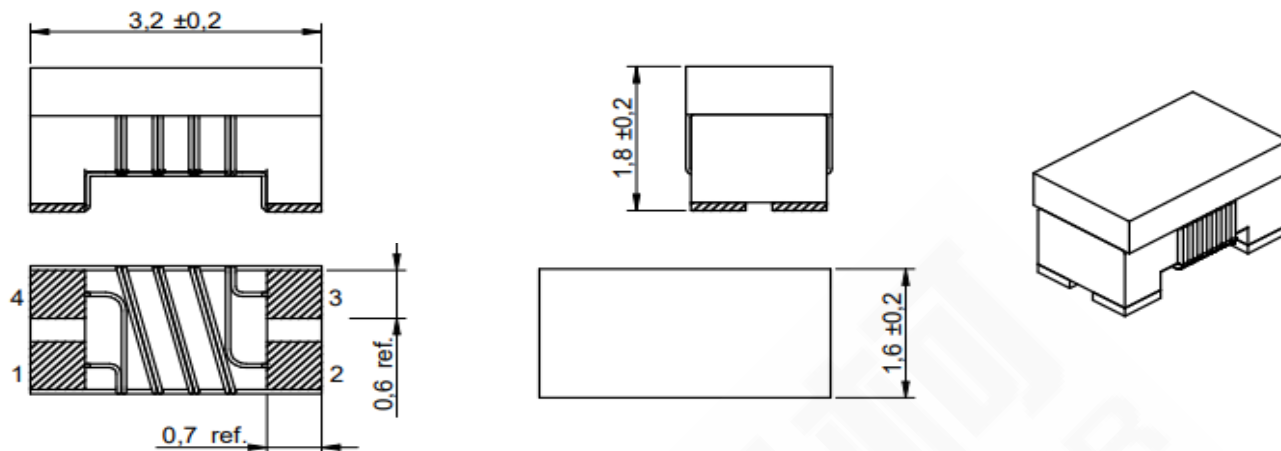
DCCM01-2012-371B





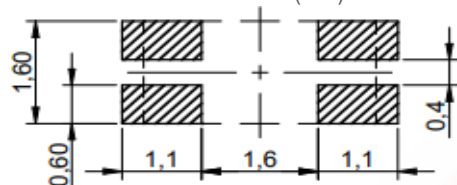
尺寸

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 I _r max 40°C (mA) | 直流电阻 DC Resistance DCR _{max} (Ω) | 额定电压 Rated Voltage V _R | 包装数量 Packaging Qty pcs |
|------------------|-----------------------|------------|---|---|---|------------------------------|
| | 10MHz | 100MHz | | | | |
| DCCM01-3216-900B | - | 90 ±25% | 370 | 0.30 | 50.00 | 2,000 |
| DCCM01-3216-161B | - | 160 ±25% | 340 | 0.40 | 50.00 | 2,000 |
| DCCM01-3216-261B | - | 260 ±25% | 310 | 0.50 | 50.00 | 2,000 |
| DCCM01-3216-601B | - | 600 ±25% | 260 | 0.80 | 50.00 | 2,000 |
| DCCM01-3216-102B | - | 1,000 ±25% | 230 | 1.00 | 50.00 | 2,000 |
| DCCM01-3216-222B | - | 2,200 ±25% | 200 | 1.20 | 50.00 | 2,000 |
| DCCM01-3216-602B | 6,000 ±25% | - | 90 | 5.50 | 50.00 | 2,000 |

测试状态

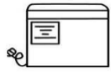
Test Condition

☆ 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

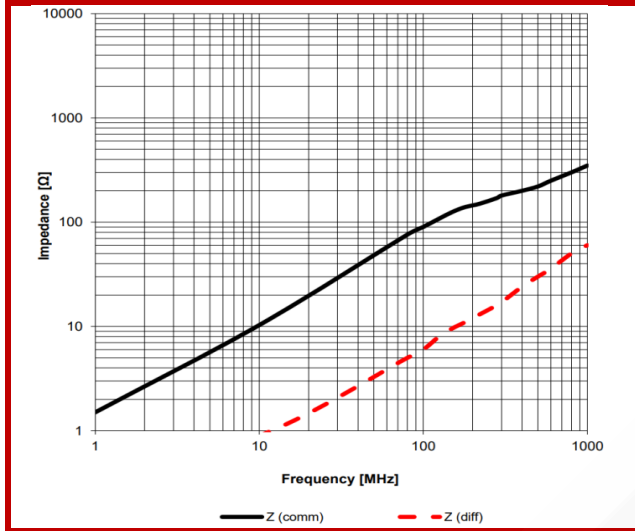
Operating Temperature: -40°C ~ +125°C



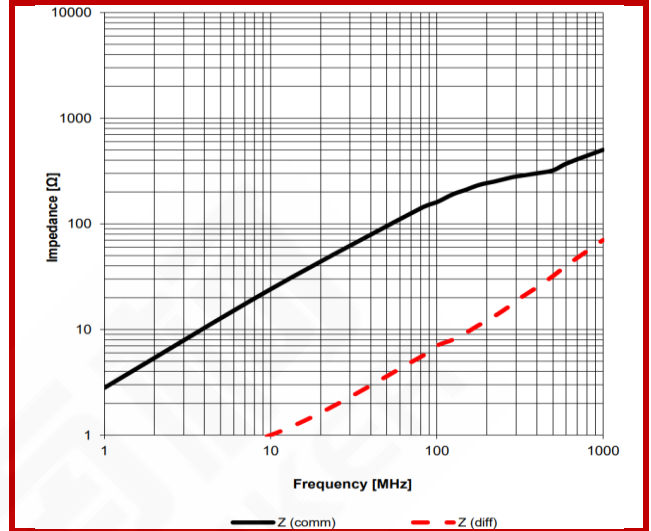
典型阻抗特性

Typical Impedance Characteristics

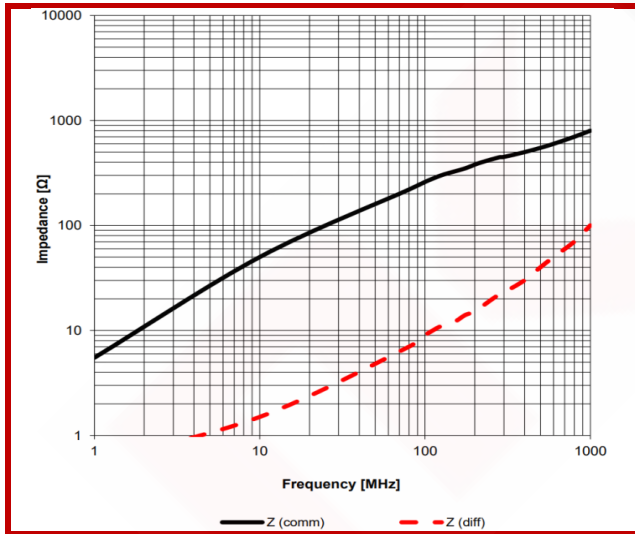
DCCM01-3216-900B



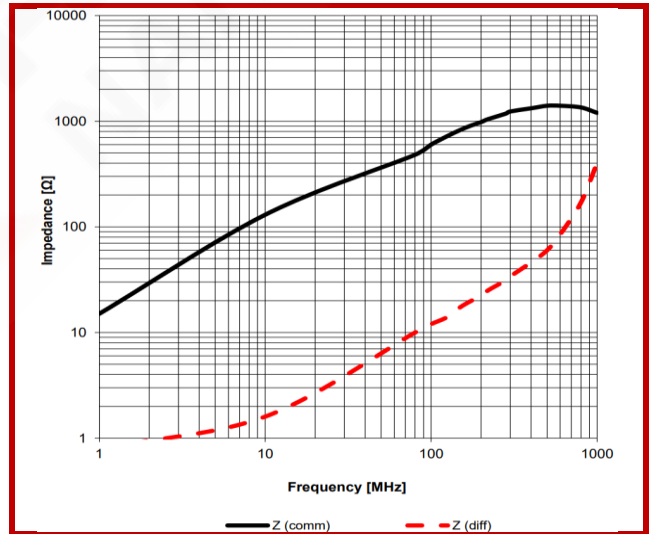
DCCM01-3216-161B



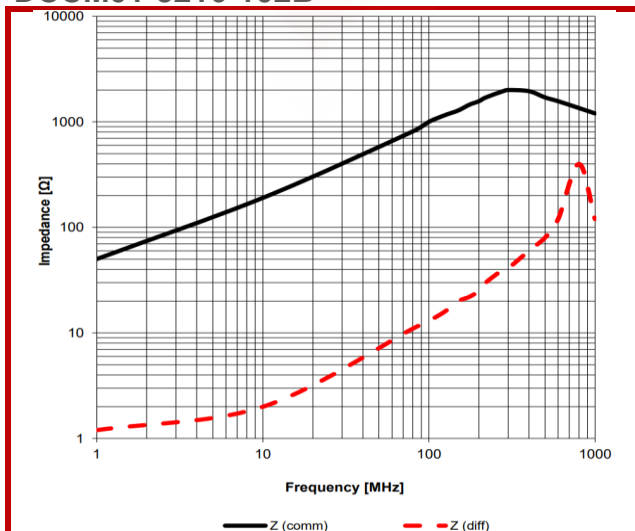
DCCM01-3216-261B



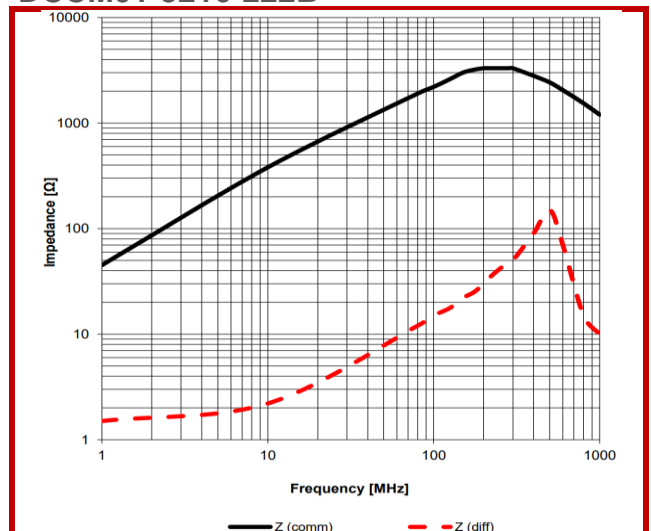
DCCM01-3216-601B



DCCM01-3216-102B



DCCM01-3216-222B

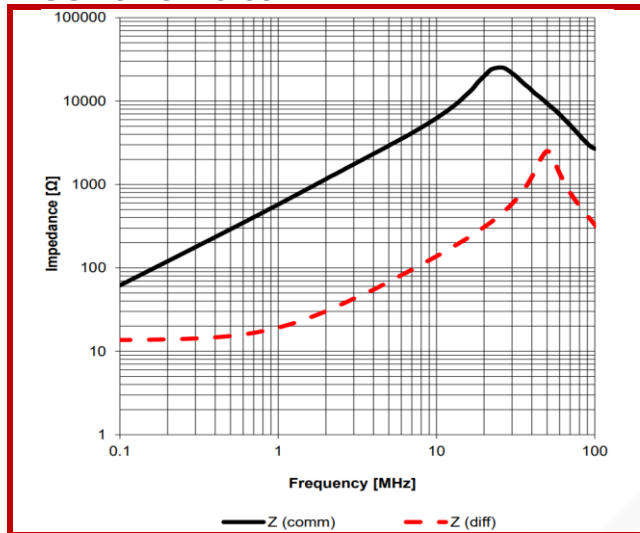




典型阻抗特性

Typical Impedance Characteristics

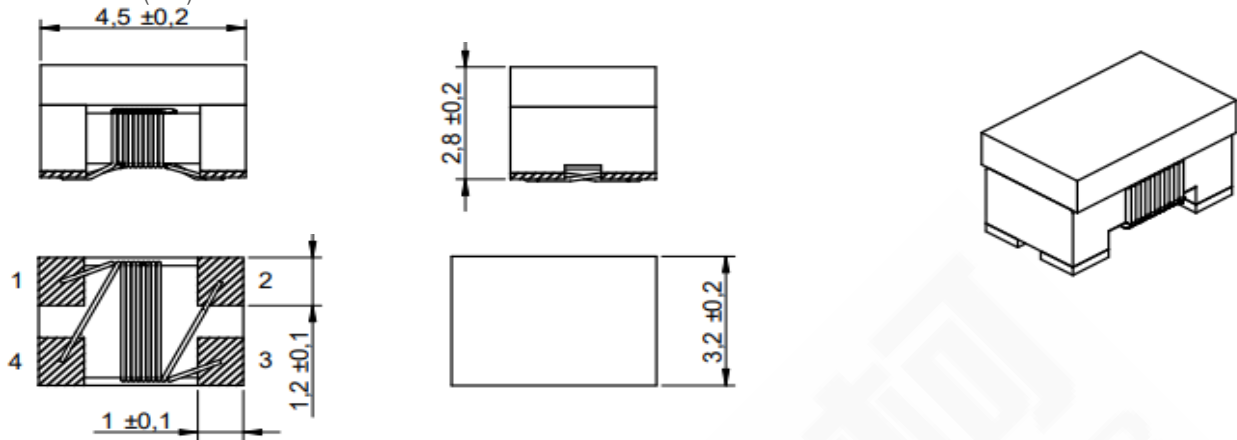
DCCM01-3216-602B





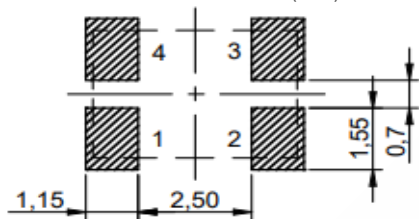
尺寸

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 I _r max 40°C (mA) | 直流电阻 DC Resistance DCR _{max} (Ω) | 额定电压 Rated Voltage V _R | 包装数量 Packaging Qty pcs |
|-------------------|-----------------------|------------|---|---|---|------------------------------|
| | 10MHz | 100MHz | | | | |
| DCCM01-4532-900B | - | 90 ±25% | 2,000 | 0.05 | 60.00 | 500 |
| DCCM01-4532-601B | - | 600 ±25% | 1,200 | 0.10 | 60.00 | 500 |
| DCCM01-4532-801B | - | 800 ±25% | 1,000 | 0.12 | 60.00 | 500 |
| DCCM01-4532-502B | - | 5,000 ±25% | 450 | 0.80 | 60.00 | 500 |
| DCCM01-4532-802B | - | 8,000 ±25% | 250 | 2.65 | 60.00 | 500 |
| DCCM01-4532A-302B | 3,000 ±25% | - | 200 | 1.00 | 60.00 | 500 |
| DCCM01-4532A-502B | 5,000 ±25% | - | 150 | 2.00 | 60.00 | 500 |
| DCCM01-4532A-103B | 10,000 ±25% | - | 200 | 1.60 | 60.00 | 500 |

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

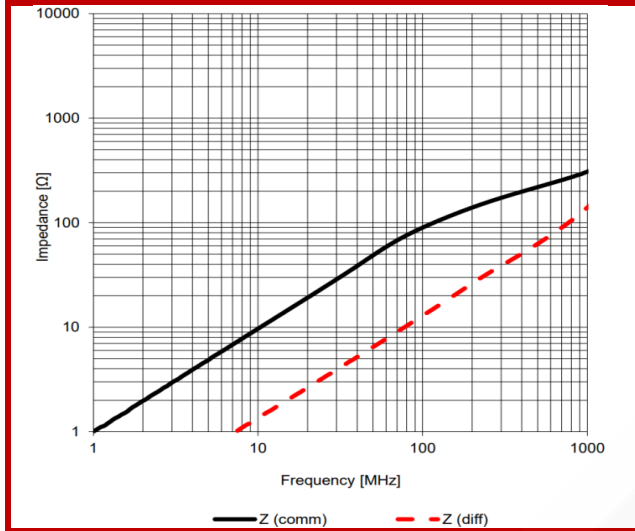
Operating Temperature: -40°C ~ +125°C



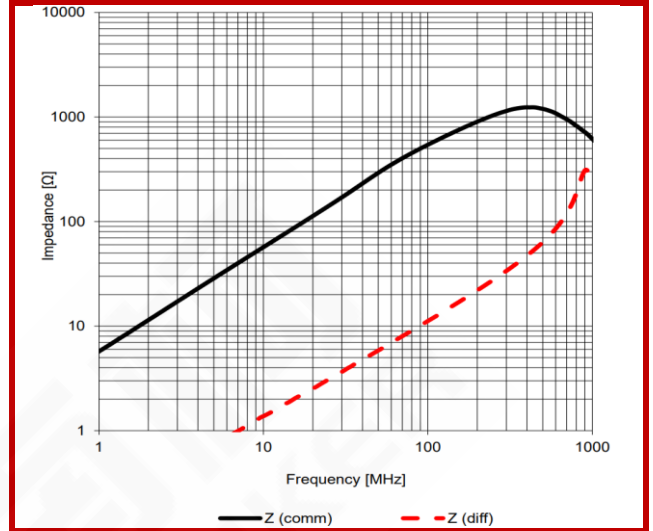
典型阻抗特性

Typical Impedance Characteristics

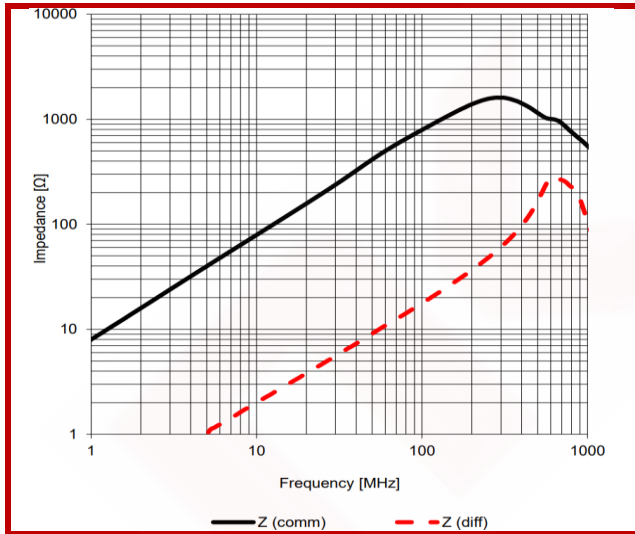
DCCM01-4532-900B



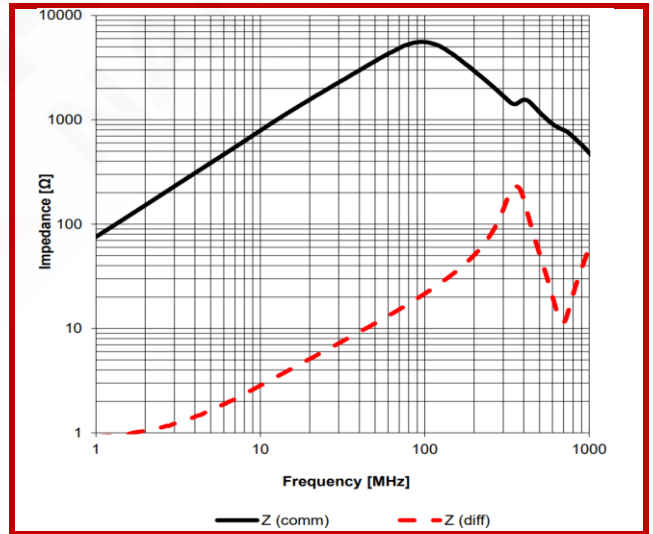
DCCM01-4532-601B



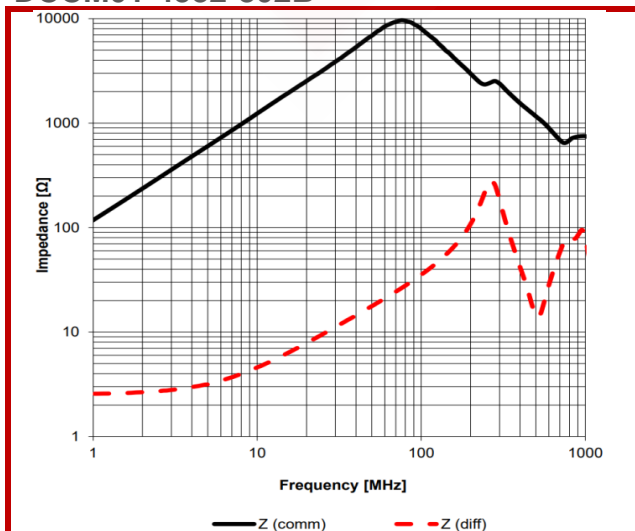
DCCM01-4532-801B



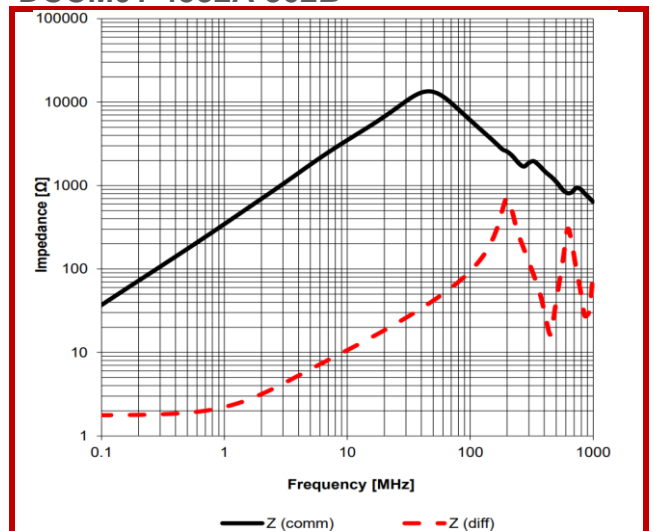
DCCM01-4532-502B



DCCM01-4532-802B



DCCM01-4532A-302B

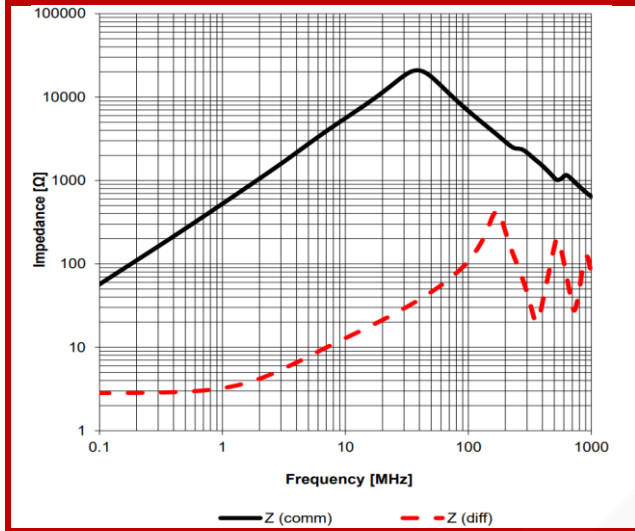




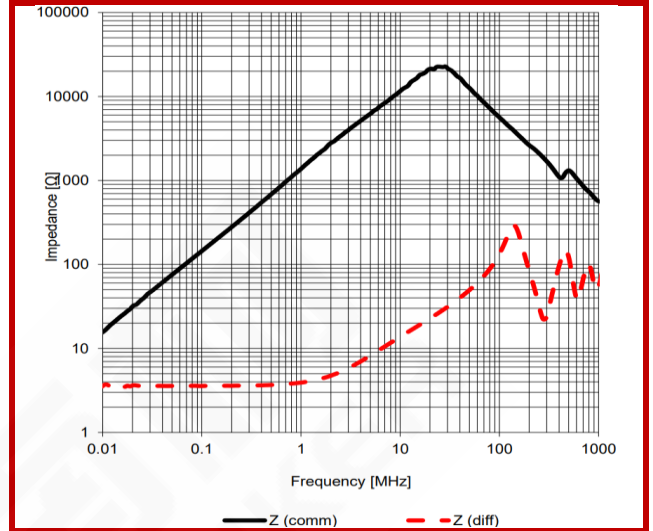
典型阻抗特性

Typical Impedance Characteristics

DCCM01-4532A-502B



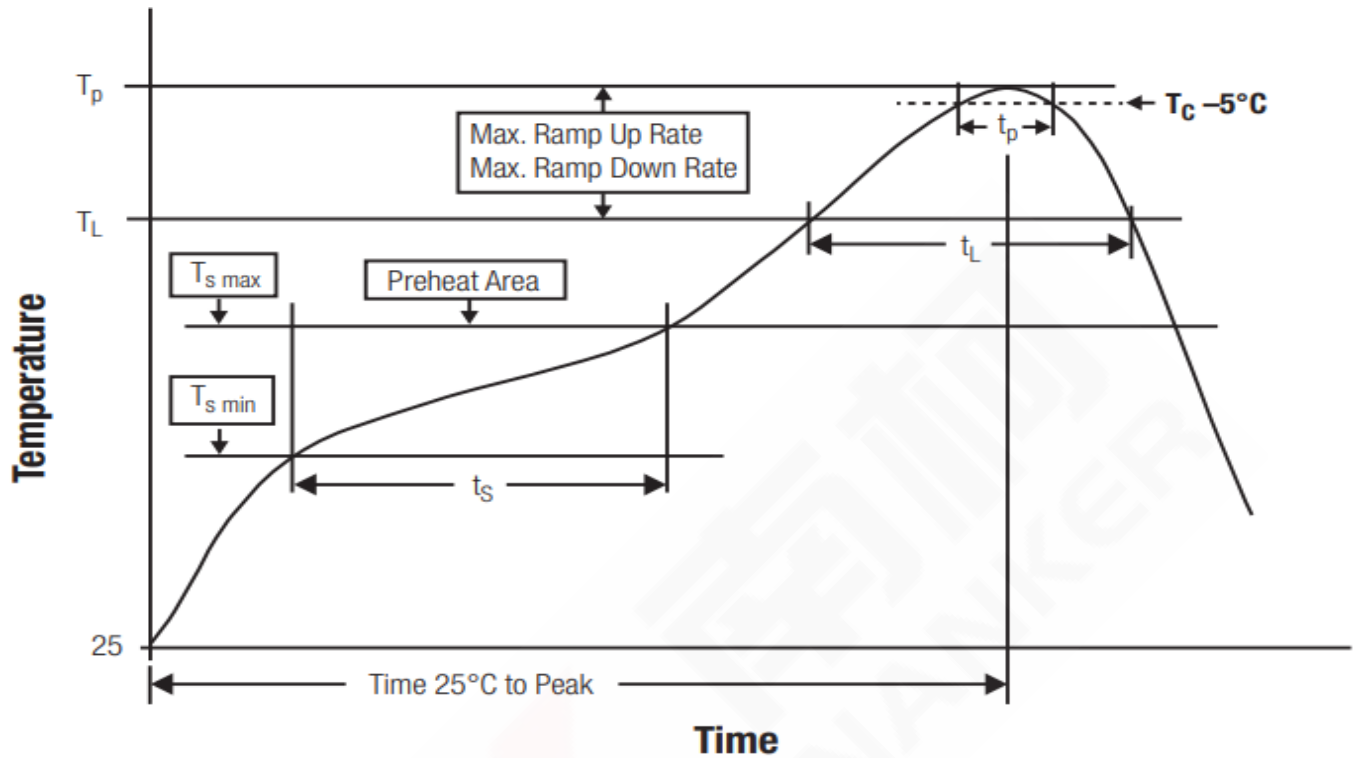
DCCM01-4532A-103B





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.