

共模扼流滤波器

DC Common Mode (Line Filter)



特性

Characteristics

磁芯材料为NiZn和MnZn的环形磁芯

Ring core with the core materials of NiZn and MnZn

工作温度：-40°C至+125°C

Operating temperature: -40 °C to +125 °C

推荐焊料外形：回流焊

Recommended solder profile: Reflow

应用

Application

数据线和信号线的电流补偿扼流圈

Current compensated choke for data and signal lines

信号和传感器线路、电源系统

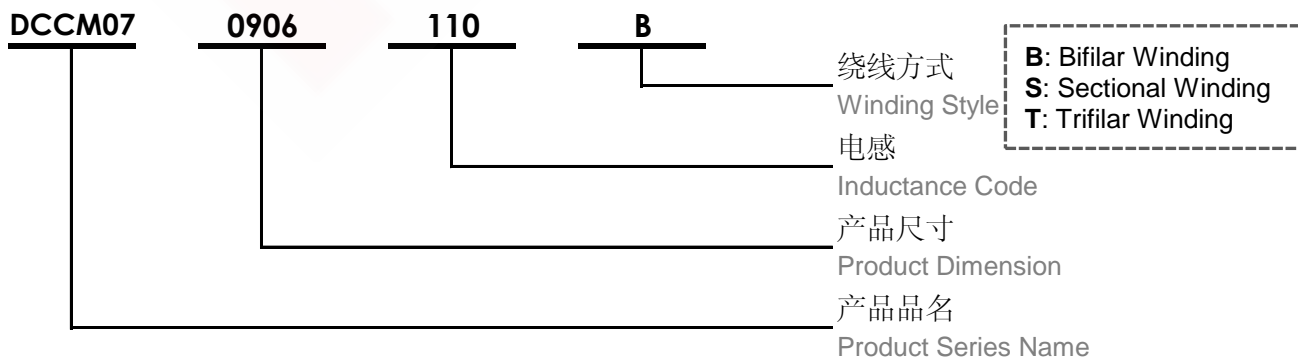
Signal and sensor lines, Power supply system

共模噪声的抑制

Suppression of common mode noise

产品品名介绍

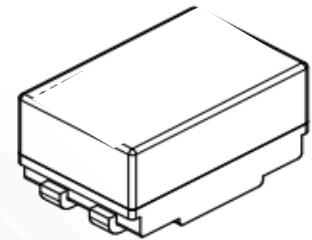
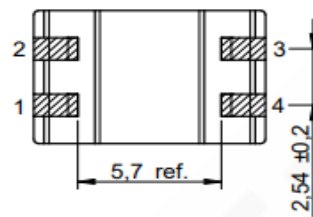
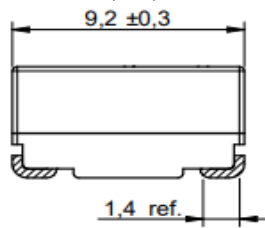
Product Number Structure





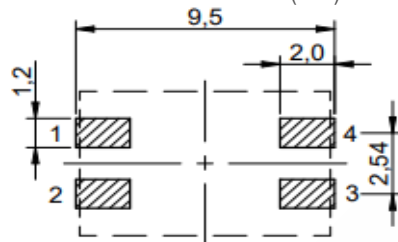
尺寸

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	阻抗 Impedance Zmax (Ω)	温升电流 Rated Current I _r max 40°C (mA)	直流电阻 DC Resistance DCR _{max} (Ω)	绕线方式 Winding Style	包装数量 Packaging Qty pcs
DCCM07-0906-100B	10 ±30%	920	1,600	0.08	Bifilar	1,000
DCCM07-0906-250B	25 ±30%	2,800	1,000	0.12	Bifilar	1,000
DCCM07-0906-400B	40 ±30%	3,100	900	0.25	Bifilar	1,000
DCCM07-0906-510B	51 ±30%	5,500	1,000	0.16	Bifilar	1,000
DCCM07-0906-251B	250 ±30%	1,800	1,200	0.13	Bifilar	1,000
DCCM07-0906-501B	500 ±30%	3,300	1,000	0.15	Bifilar	1,000
DCCM07-0906-102B	1,000 ±30%	6,000	800	0.21	Bifilar	1,000
DCCM07-0906-202B	2,000 ±30%	9,200	600	0.42	Bifilar	1,000

测试状态

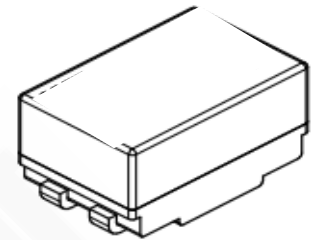
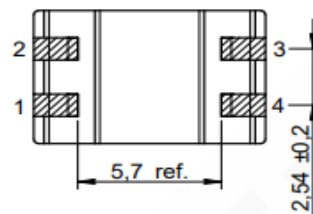
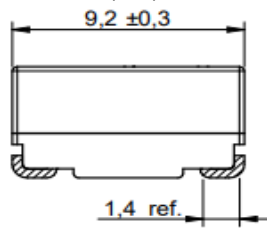
Test Condition

- ☆ 电感测试条件为 1.0kHz / 100 mV (25°C)
Inductance measure condition at 1.0kHz / 100mV (25°C)
- ☆ 工作温度: -40°C ~ +125°C
Operating Temperature: -40°C ~ +125°C
- ☆ 速率电压: 80V
Rated Voltage: 80V



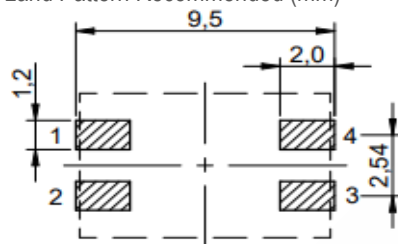
尺寸

Dimension (mm)



焊盘推荐

Land Pattern Recommended (mm)



示意图

Schematics



电性特性

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DCCM07-0906-472B	4,700 ±30%	20,000	500	0.75	Bifilar	1,000
DCCM07-0906-652B	6,500 ±30%	18,400	400	0.95	Bifilar	1,000
DCCM07-0906-103B	10,000 ±30%	25,000	350	1.20	Bifilar	1,000
DCCM07-0906-203B	20,000 ±30%	50,000	200	2.60	Bifilar	1,000
DCCM07-0906-100S	10.00 ±30%	920	1,600	0.08	Sectional	1,000
DCCM07-0906-250S	25.00 ±30%	2,800	1,000	0.12	Sectional	1,000
DCCM07-0906-400S	40.00 ±30%	3,100	900	0.25	Sectional	1,000
DCCM07-0906-510S	51.00 ±30%	5,500	1,000	0.16	Sectional	1,000

测试状态

Test Condition

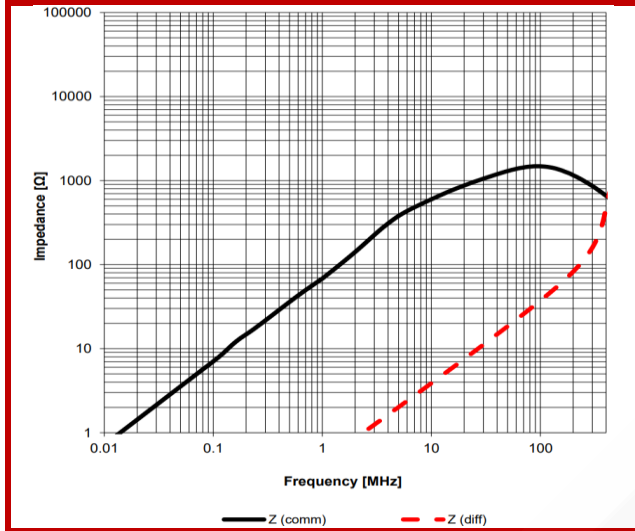
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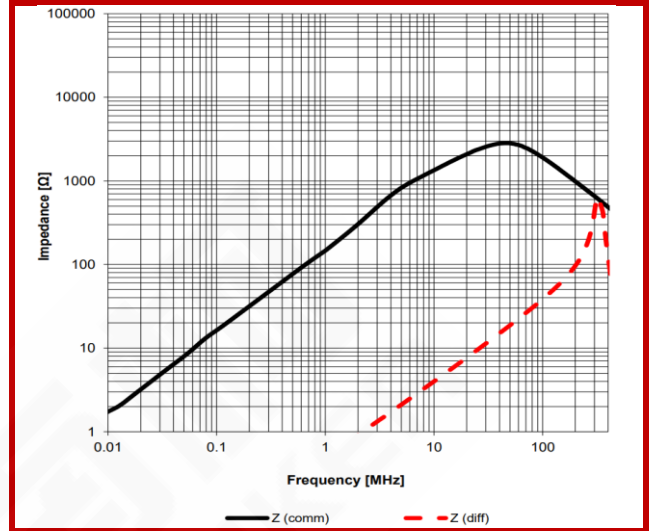
典型阻抗特性

Typical Impedance Characteristics

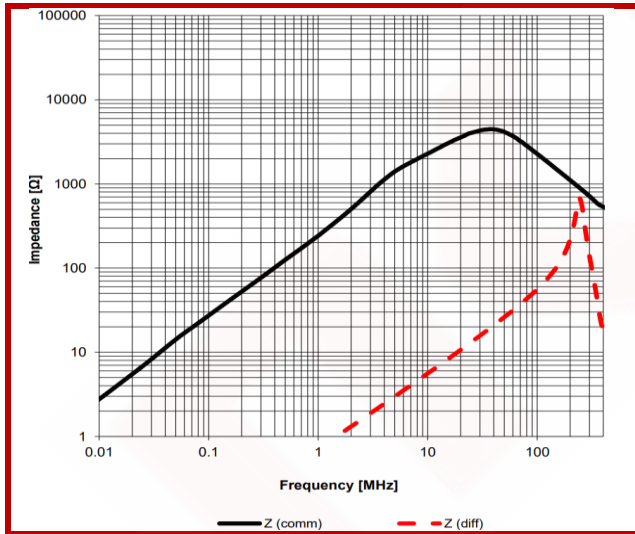
DCCM07-0906-100B



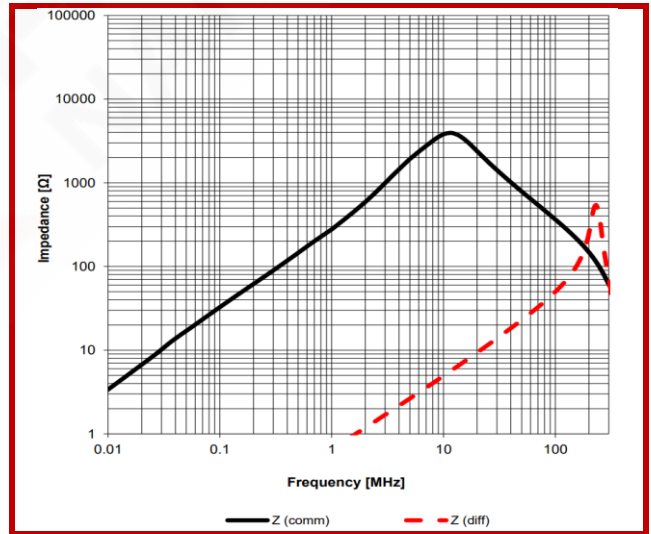
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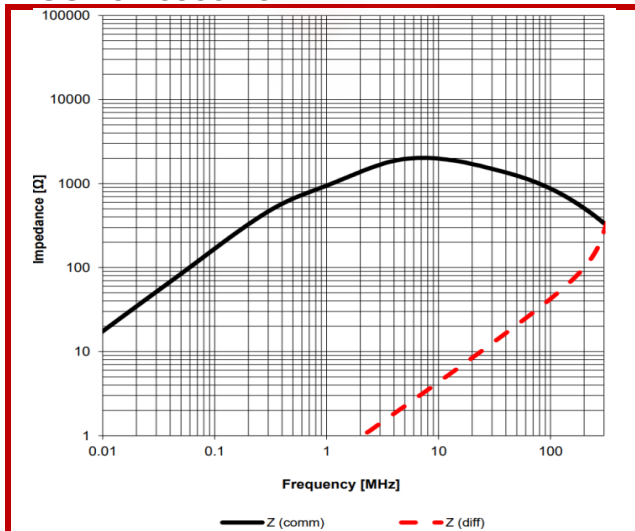
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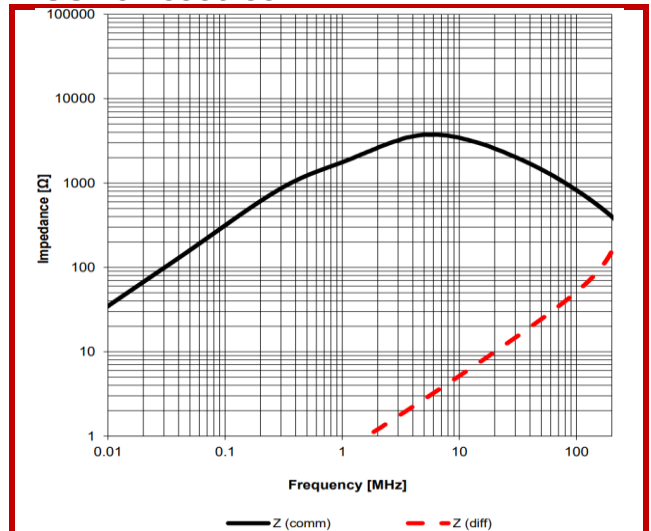
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DCCM07-0906-251B



DCCM07-0906-501B

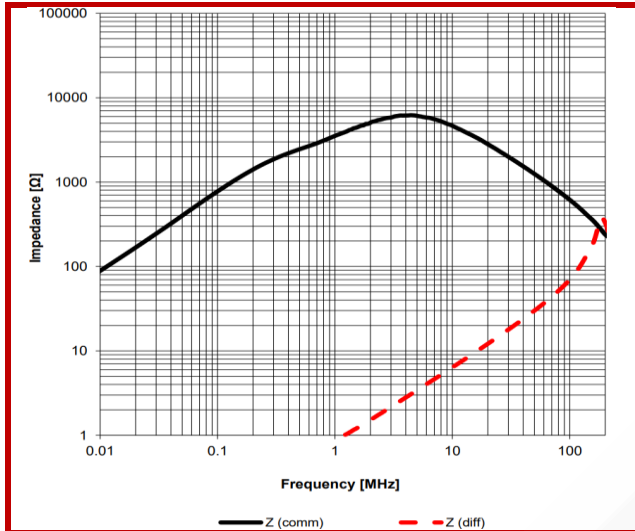




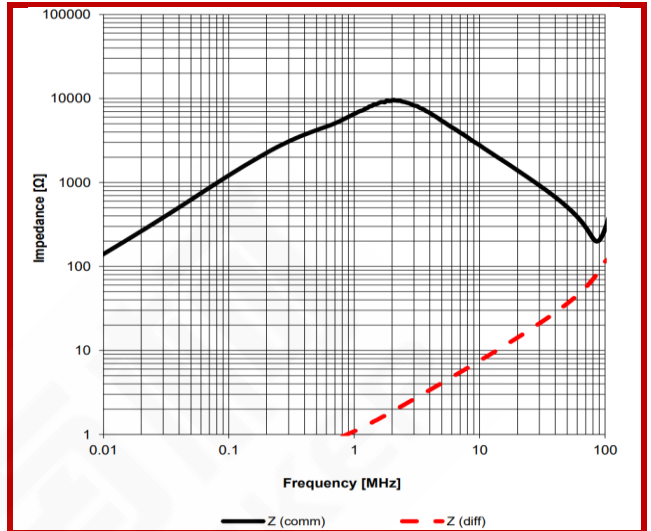
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Typical Impedance Characteristics

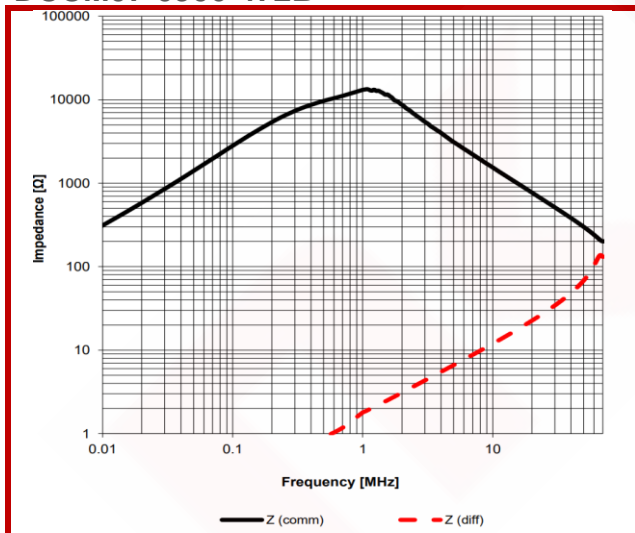
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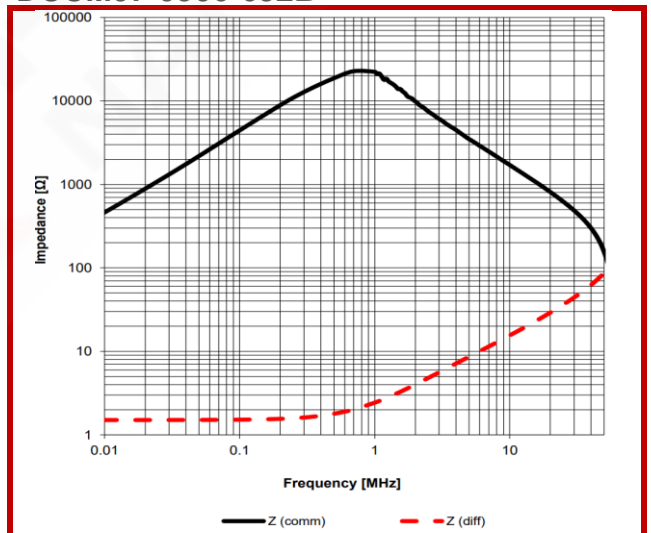
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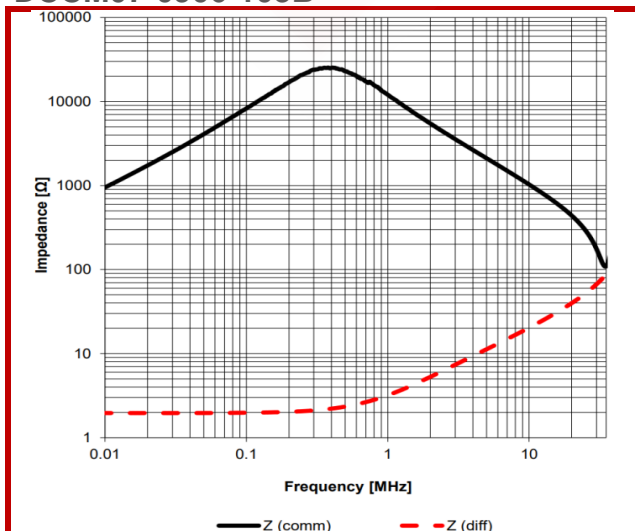
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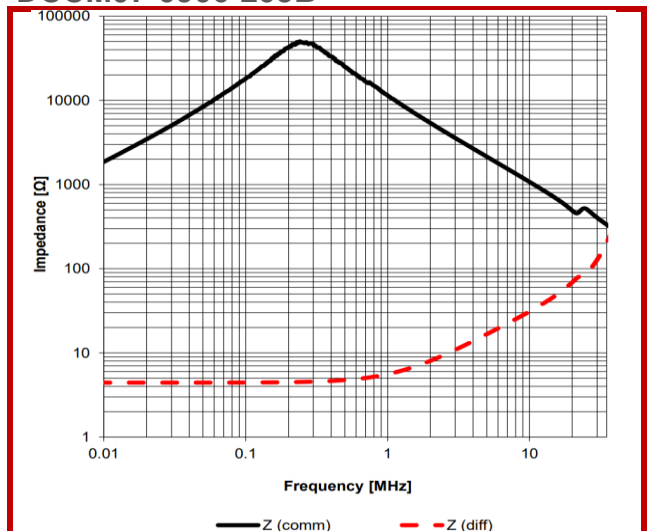
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DCCM07-0906-103B



DCCM07-0906-203B

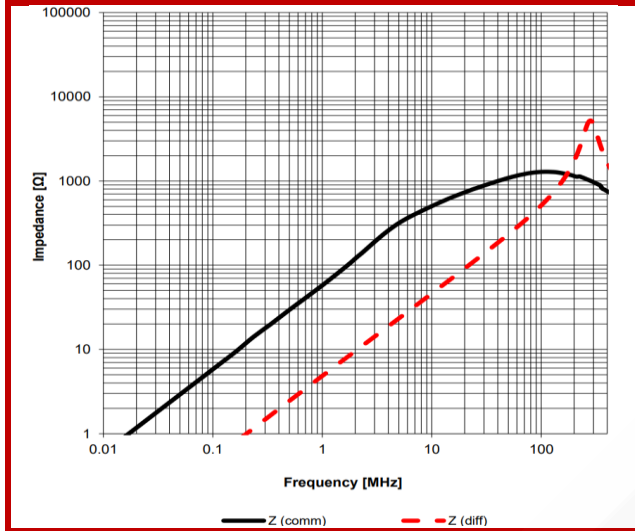




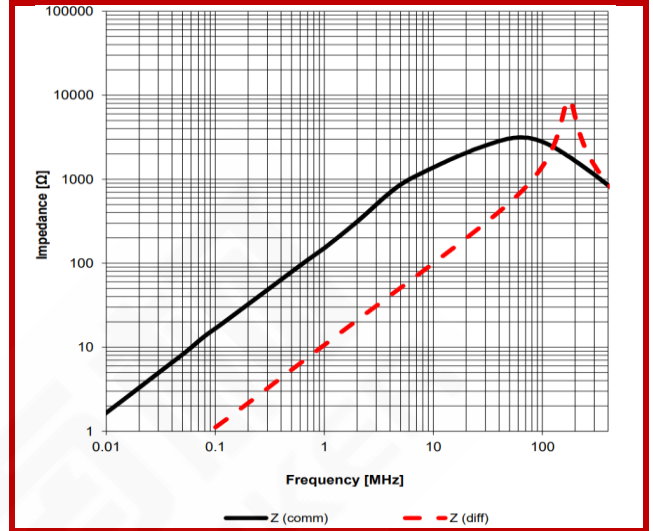
典型阻抗特性

Typical Impedance Characteristics

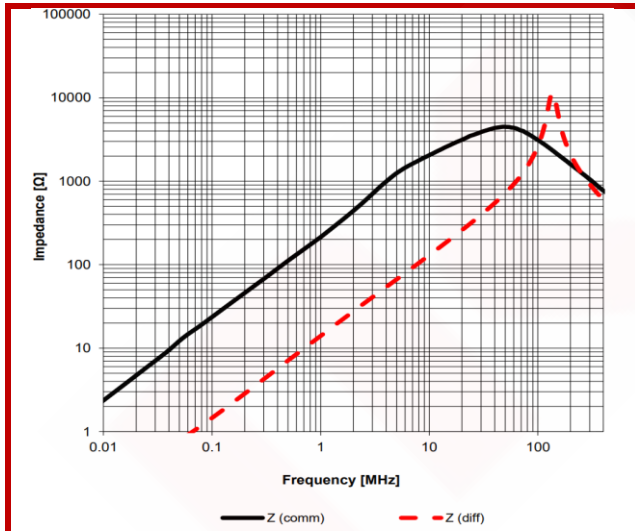
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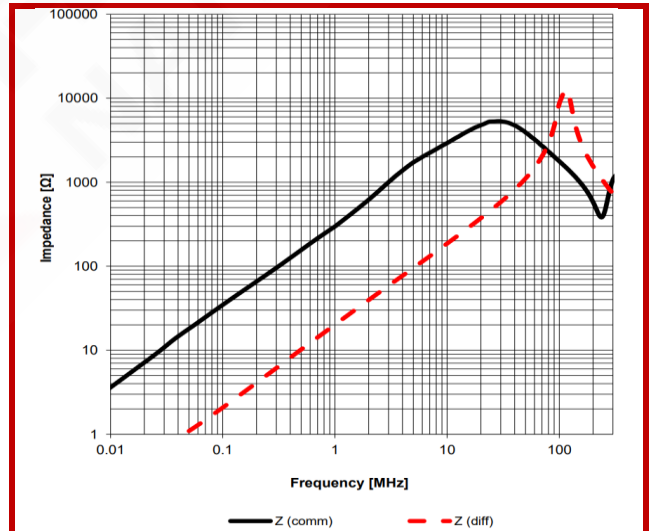
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DCCM07-0906-400S



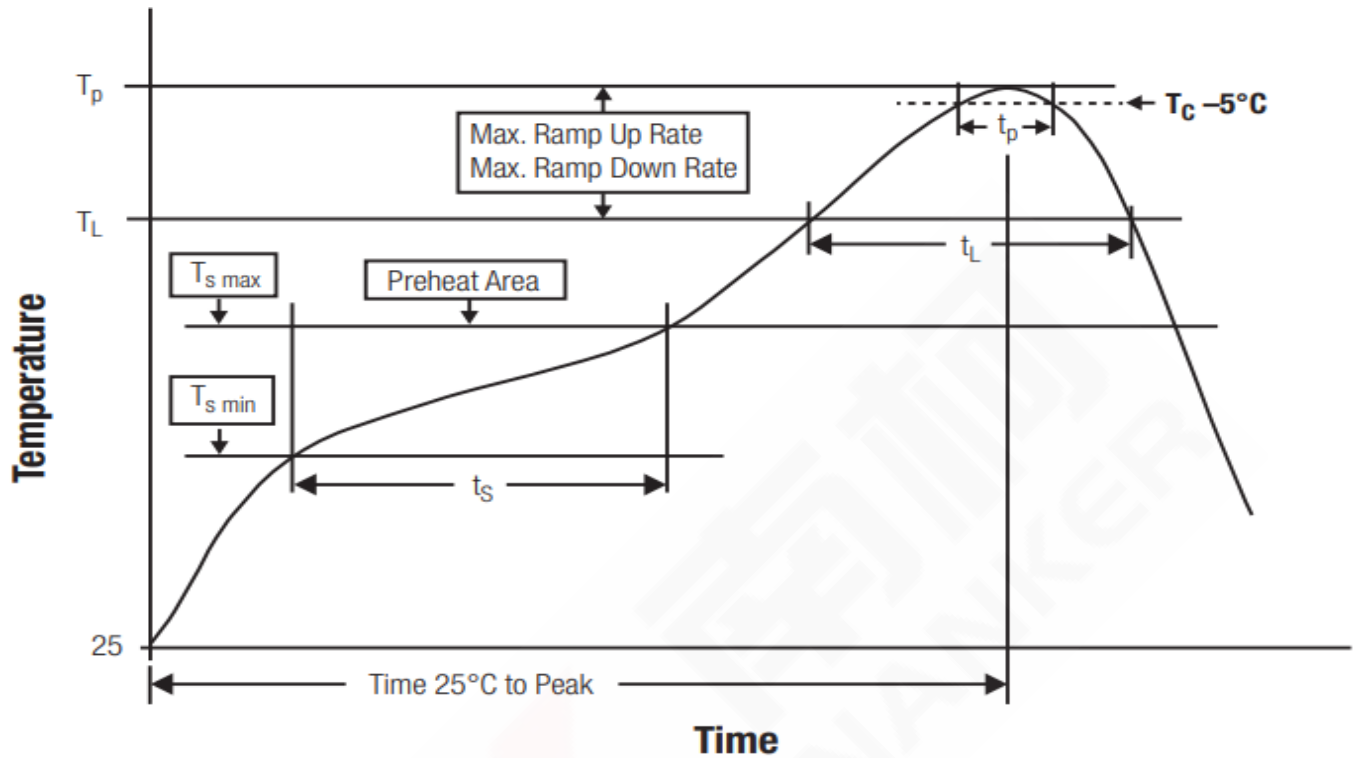
DCCM07-0906-510S





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.