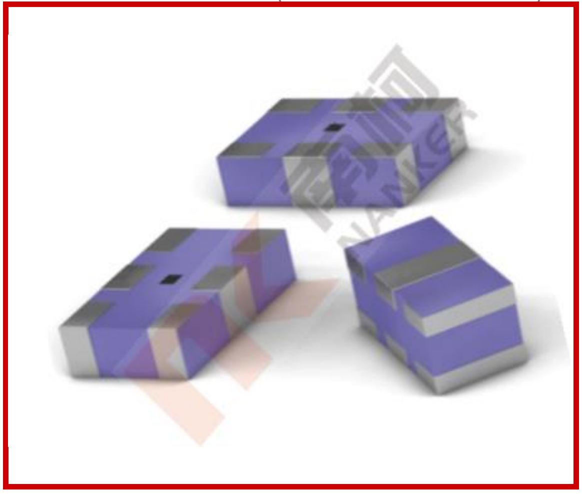
陶瓷共模扼流滤波器

DC Common Mode (Data Filter-Ceramic)



特性

Characteristics

紧凑型多层共模扼流圈/滤波器

Compact multilayer common mode choke/filter

基于LTCC的低损耗、高可靠性结构

LTCC based low-loss and highly reliable structure

超高速差分信号传输

Ultra-high-speed differential signal transmission

应用

Application

USB 3/4

USB 3/4

高速差分数据线

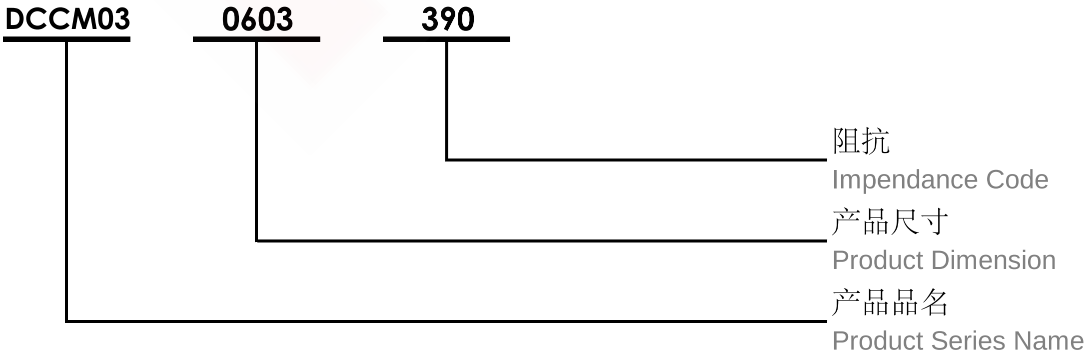
High speed differential datalines

显示端口

Display Port

产品品名介绍

Product Number Structure



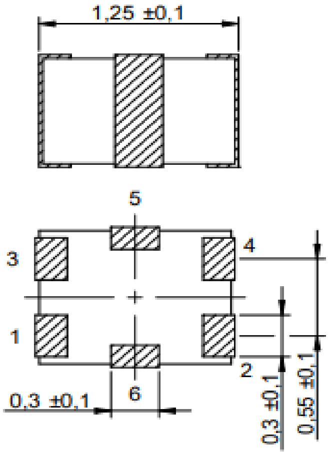
DCCM03 **0603** **390**

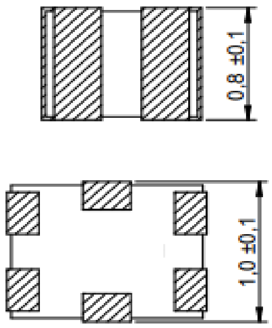
阻抗
Impendance Code

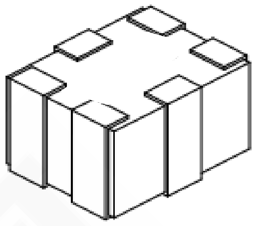
产品尺寸
Product Dimension

产品品名
Product Series Name

尺寸
Dimension (mm)







焊盘推荐
Land Pattern Recommended (mm)

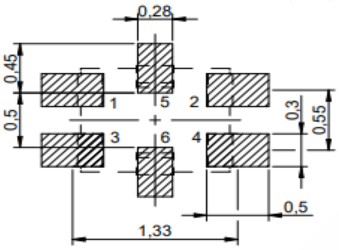
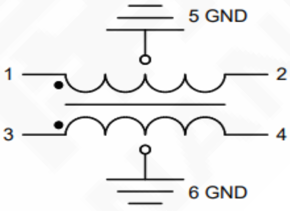


示意图
Schematics



电性特性
Electrical Properties

型号 Part No.	共模衰减 Common Mode Attenuation IL(SCC2.1) (dB)	测试条件 Test Condition IL(SCC2.1) MHz	阻抗 Impedance 100MHz (Ω)	直流电阻 DCResistance DCRmax (Ω)	温升电流 Rated Current IR 40°C (mA)
DCCM03-1210-2R0	30	2,450	2.00	2.50	300
DCCM03-1210-1R6	20	2,450 & 5,500	1.60	2.500	300

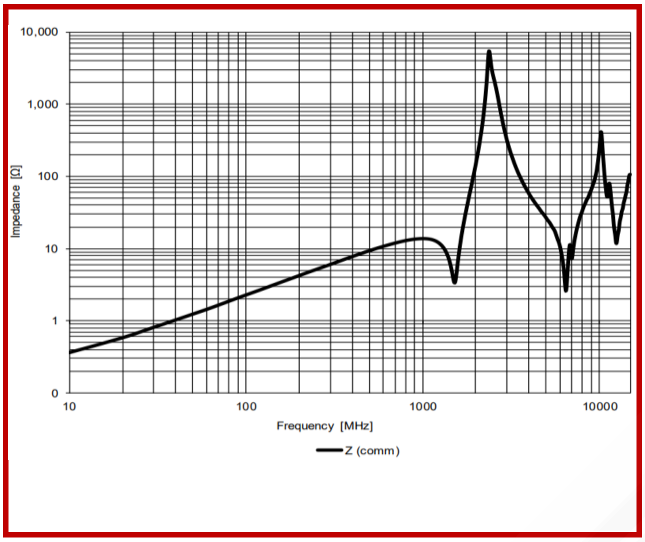
测试状态
Test Condition

☆ 阻抗测试条件为 100MHz (25°C)
Impedance measure condition at 100MHz (25°C)

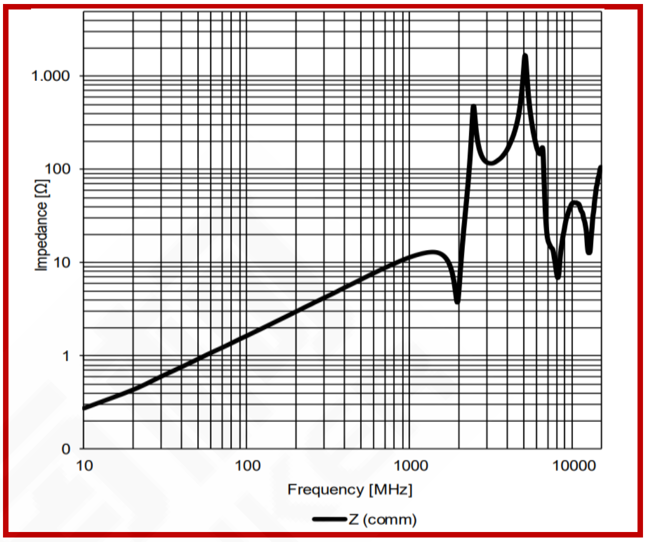
☆ 工作温度：-40°C ~ +85°C
Operating Temperature: -40°C ~ +85°C

典型阻抗特性
Typical Impedance Characteristics

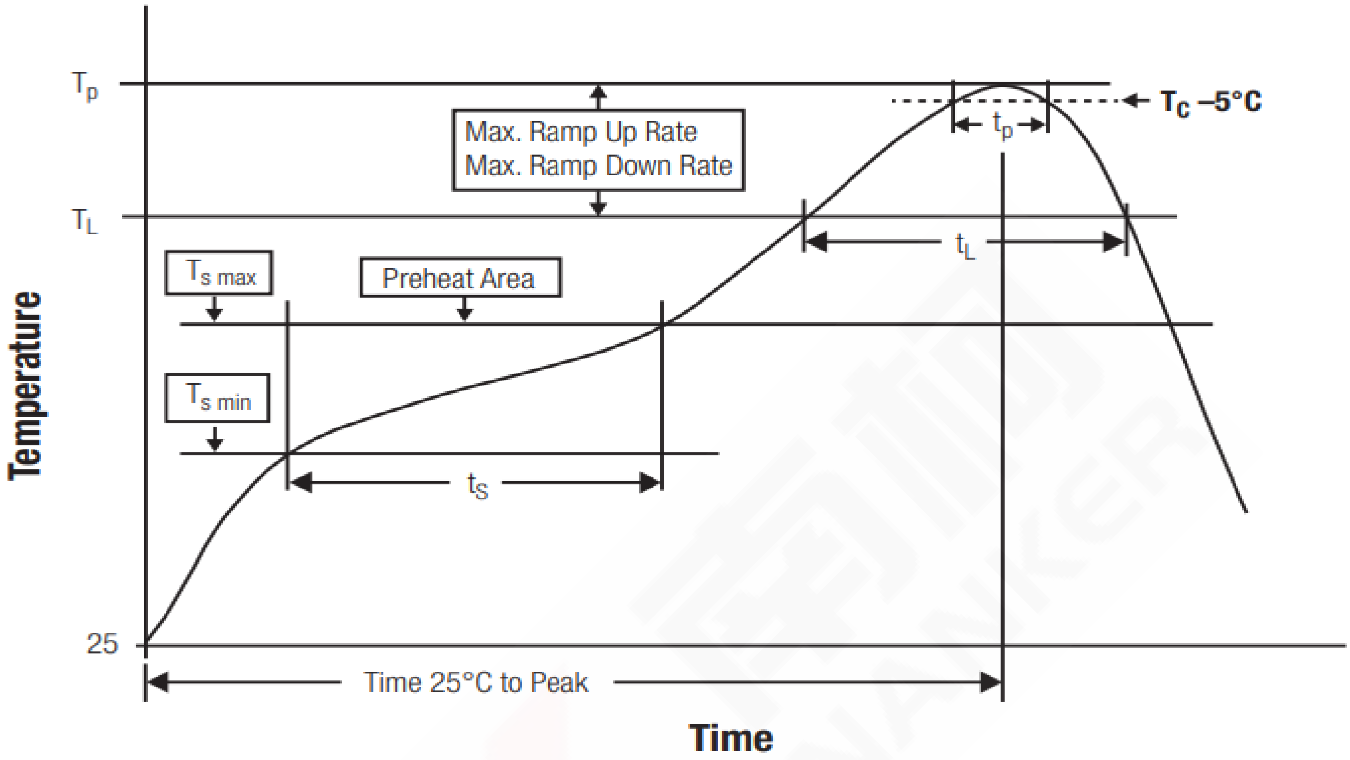
DCCM03-1210-2R0



DCCM03-1210-2R0A



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.