

贴片式浪涌吸收器(CSA20)

CHIP TYPE SURGE ABSORBER (CSA20)

For ESD

防静电用

浪涌吸收器
SURGE ABSORBER

CSA20系列(2125形状)是贴片式防静电浪涌吸收器。采用本公司历经多年发展起来的微隙方式, 实现了优异的浪涌响应特性和1pF以下的低静电容量。本产品结构小巧, 静电浪涌耐量达150pF-330Ω-15kV, 完全符合IEC61000-4-2的要求。

CSA20 Series(EIA 0805 size) is a chip type surge absorber for protection from ESD (electrostatic discharge). Through our long history of developing microgap products, we have been able to realize a product with excellent surge protection characteristics and low capacitance of less than 1pF. Even with its small package design, it is easily able to meet the electrostatic protection requirements of IEC61000-4-2.

特点

- 适合高密度表面贴装的防静电浪涌吸收器。
- 适合流动和回流焊接。
- 采用微隙方式, 浪涌响应特性优异。
- 静电容量低, 可用于高频电路。
- 高绝缘阻抗特性。
- 可进行带带包装。
- 符合IEC61000-4-2规格。

Features

- ESD surge absorber in a compact surface mount package.
- Can be used with flow or reflow solder.
- Microgap technology gives excellent surge response.
- Can use in high frequency circuits due to low capacitance.
- High insulation resistance characteristics.
- Available in embossed taping.
- Conforms with IEC61000-4-2 standard.

型号构成 Part number system

CSA20 - 201 N - T

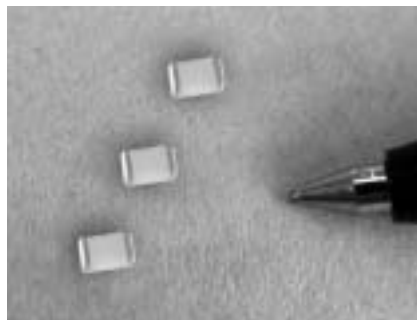
系列名 Series 直流放电开始电压(Vs) DC Spark-over voltage(Vs) 直流放电开始电压容许偏差 DC Spark-over voltage tolerance 编带形式 Taping form

前2位数字表示电压值的有效数字, 第3位数字表示乘幂。
The first two digits are significant, and the third is number of zeros.

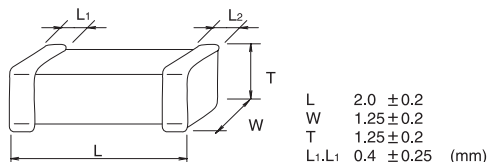
N	±30%
Q	+30% -20%

B	散装 Bulk
T	带装 Taping

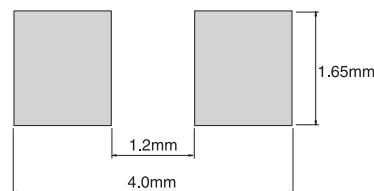
例) 201表示 20×10¹=200v
Ex.) 201 means: 20×10¹=200v



形状·尺寸(mm) Dimensions (mm)



推荐焊盘布局 Recommended Land Pattern



铜箔 (Copper)

特性 Characteristics

系列名 Series	型号 Part number	直流放电开始电压 DC Spark-over voltage Vs	绝缘阻抗 Insulation resistance IR	静电容量 Electrostatic capacitance 1kHz-6V max. C	浪涌寿命 Surge life test
CSA20	CSA20-141N	140V(98~182)	100MΩmin.	1pF max.	150pF-330Ω-15kV 20 times
	CSA20-201N	200V(140~260)			
	CSA20-401Q	400V(320~520)			

关于IEC61000-4-2

- 静电放电抗扰度试验
150pF-330Ω-2~8kV (接触放电)
2~15kV (空气放电)
CSA20具有150pF-330Ω-15kV的静电浪涌耐量, 完全满足上述要求。

About IEC61000-4-2

- Electrostatic discharge immunity test
150pF-330Ω-2~8kV (Contact discharge)
2~15kV (Air discharge)
CSA20 series is easily able to meet requirements of IEC61000-4-2.

焊接条件请参见第84页。

Please refer to page 84 for soldering conditions.