

CSA20 (2125 形状) 是贴片式防静电浪涌吸收器。采用本公司历经多年研发的微隙方式, 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-20kV, 完全符合 IEC61000-4-2 的要求。

CSA20 (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

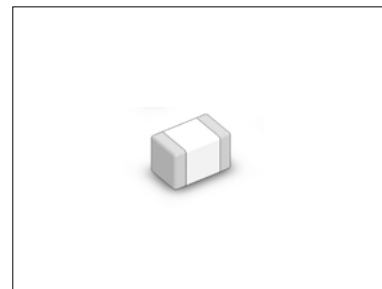
- 适合高密度表面贴装的防静电浪涌吸收器
- 适合流动和回流焊接
- 采用微隙方式, 具有优异的浪涌响应效果
- 静电容量小, 可用于高频电路
- 高绝缘阻抗特性
- 可以编带包装
- 符合 IEC61000-4-2 规格
- 使用温度范围 (一般规格): -40 ~ 125°C
- 保存温度范围 (一般规格): -55 ~ 125°C

■Features

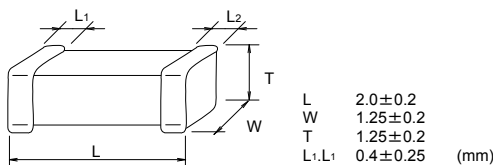
- ESD surge absorber in a compact surface mount package
- Can be used with flow or reflow solder
- Microgap technology gives excellent surge response
- Can use in high frequency circuits due to low capacitance
- High insulation resistance characteristics
- Available in embossed taping
- Conforms with IEC61000-4-2 standard
- Operating temperature limit: -40 ~ 125°C
- Storage Temperature Range: -55 ~ 125°C

■型号构成 Part number system

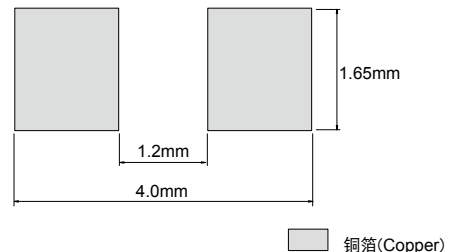
系列名 Series	直流放电开始电压 (Vs) DC Spark-over voltage(Vs)	直流放电开始电压容许偏差 DC Spark-over voltage tolerance	编带形式 Taping form
CSA20	141	N	T
前2位数字表示电压值的有效数字, 第3位数字表示乘幂。 The first two digits are significant, and the third is number of zeros.			
例) 141表示: 14 × 10 ¹ = 140V Ex) 141 means: 14 × 10 ¹ = 140V			
		N ±30% Q +30% -20%	B 散装 Bulk T 带装 Taping



■形状・尺寸 Dimensions



■推荐焊盘布局 Recommended Land Pattern



■特性 Characteristics

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 (接触放电) Surge life test (Contact discharge)
CSA20-141N	140V (98~182)	≥ 100MΩ	DC50V	≤ 1pF	150pF-330Ω-20kV 20 times
CSA20-401Q	400V (320~520)		DC250V		

■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-20kV 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 easily able to meet requirements of IEC61000-4-2.

■焊接条件请参见第 94 页。 Please refer to page 94 for soldering conditions.