

CDA70 系列是贴片式电源用浪涌吸收器。  
实现高品质冲击响应特性和 0.6pF 以下低静电容量。  
虽然是 4032 形状的小型低背贴片，但是具备 8/20ms-2,000A 型的抗冲击破坏力。

CDA70 is a radial shaped surge absorber for power supplies. It has excellent surge protection characteristics and its capacitance is lower than 0.6pF. It's small but withstands 2,000A (8/20  $\mu$ s) surges.

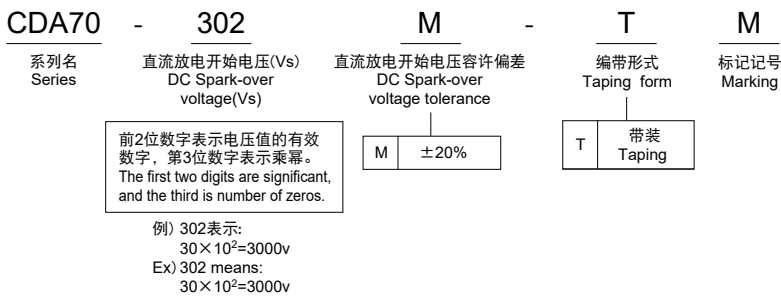
## 特点

- 以 4032 形状的小型贴片应对自动安装。
- 应对正流、回流钎焊。
- 可应对各种 AC 耐压测试。
- 高品质浪涌响应性。
- 0.6pF 以下的低静电容量、100M $\Omega$  以上的高绝缘阻抗。
- 稳定应对反复浪涌。
- 已取得 UL1449 规格。
- RoHS 适应品。
- 使用温度范围 (一般规格) : -40 ~ 125 $^{\circ}$ C
- 保存温度范围 (一般规格) : -40 ~ 125 $^{\circ}$ C

## Features

- Standard small chip package ; EIA 1612, height ; 2.3  $\pm$  0.2mm
- Can be used with flow or reflow solder
- Compliant with various AC withstanding voltage tests
- Excellent surge response
- Capacitance  $\leq$  0.6pF, insulation resistance  $\geq$  100Mohm
- Stable for repeated discharge tests
- UL1449 Recognized
- RoHS compliant
- Operating temperature limit : -40 ~ 125 $^{\circ}$ C
- Storage Temperature Range : -40 ~ 125 $^{\circ}$ C

## 型号构成 Part number system



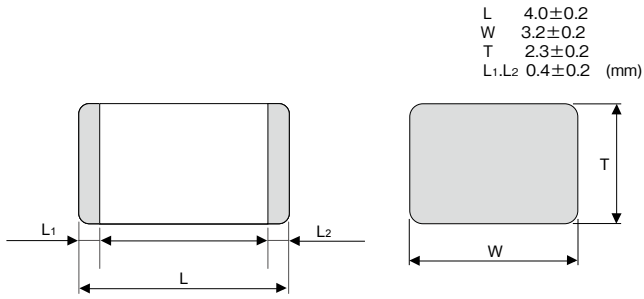
## 特性 Characteristics

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	浪涌耐量 Surge current capacity 8/20 $\mu$ s	浪涌寿命 Surge life test	AC耐电压 AC withstanding voltage	UL规格认证产品 UL recognized		cUL规格认证产品 cUL recognized	EN规格认证产品 EN recognized
								UL497B File No. E175280	UL1449 File No. E318314	CSA C22.2No.269 UL File No. E318314	EN62368-1 TÜV Report No.J50164470
CDA70-701M	700V(560~840)	$>$ 100M $\Omega$	DC250V	$\leq$ 0.6pF	2,000A	8/20 $\mu$ s 100A 300times	—	○	○ 1)	○ 1)	—
CDA70-102M	1,000V(800~1,200)		DC500V				—	—	○ 1)	○ 1)	—
CDA70-272M	2,700V(2,160~3,240)						AC1,000V-1min AC1,200V-3s	—	○ 1)	○ 1)	—
CDA70-302M	3,000V(2,400~3,600)						AC1,500V-1min	—	○ 1)	○ 1)	○ 2)
CDA70-362M	3,600V(2,880~4,320)						AC1,800V-3s	—	○ 1)	○ 1)	○ 2)

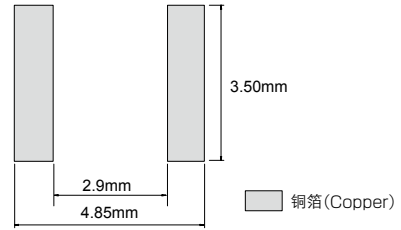
- 1): 与压敏电阻 (AC125V : V1mA  $\geq$  A270V, D  $\geq$   $\phi$  7mm, AC250V : V1mA  $\geq$  470V, D  $\geq$   $\phi$  7mm) 电气串接即可被认证。  
Approved if used with a varistor (125VAC : V1mA  $\geq$  270V, D  $\geq$   $\phi$  7mm, 250VAC : V1mA  $\geq$  470V, D  $\geq$   $\phi$  7mm) , electrically connected in series.
- 2): 与压敏电阻 (V1mA  $\geq$  470V, D  $\geq$   $\phi$  5mm) 电气串接即可被认证。  
Approved if used with a varistor (V1mA  $\geq$  470V, D  $\geq$   $\phi$  5mm) , electrically connected in series.
- 3): 安全标准认定条件可能会被修订。关于最新的认定状况，请确认各标准的主页。  
Safety standard certification conditions may be revised. Would you confirm the web site of each standard about the latest information.



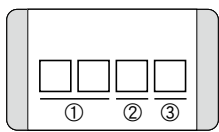
■形状・尺寸 Dimensions



■推荐焊盘布局 Recommended Land Pattern



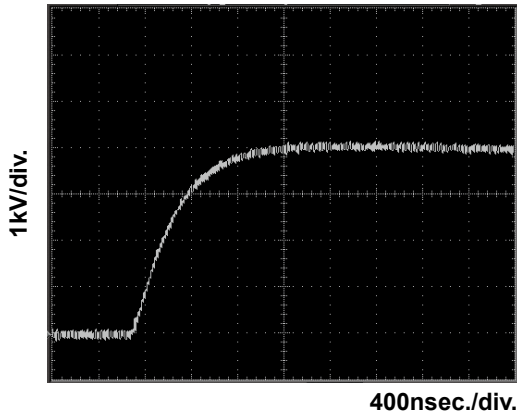
■标记 Marking



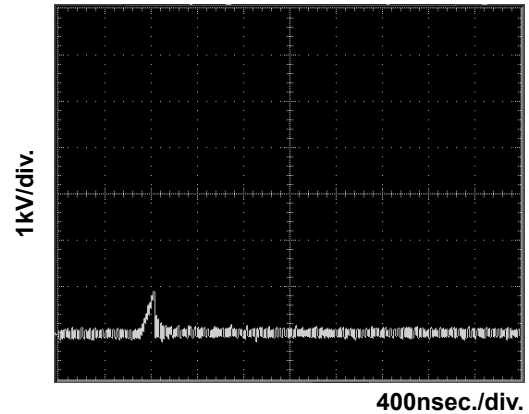
- ①: 型号略符 (最多两位数字)  
Part number (Number with two digits maximum)
- ②: 生产月份  
Production month
- ③: 生产年份  
Production year

■浪涌响应性(参考值) Surge response characteristics (Reference)

浪涌原波形 Original waveform  
1.2/50µs 4kV



CDA70-701M 响应波形  
CDA70-701M Response waveform



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