

CDA70 系列是贴片式电源线用浪涌吸收器。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 8/20μs-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 (8/20μsec) surges.

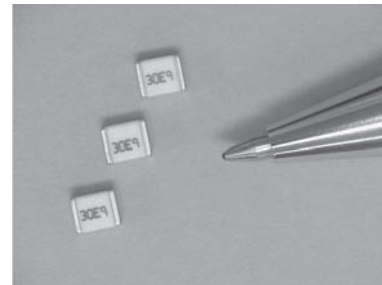
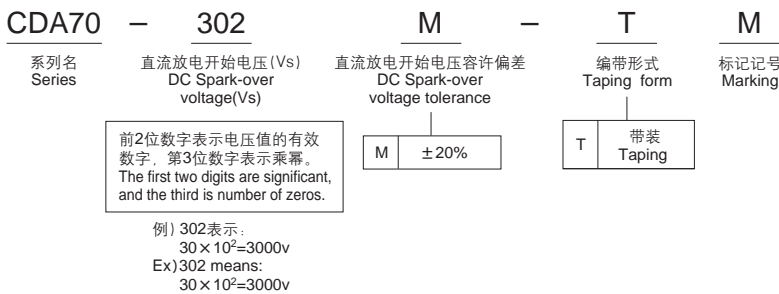
■特点

- 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、100MΩ 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。

■Features

- Standard small chip package ; EIA 1612, height ; 2.3±0.2mm
- Can be used with flow or reflow solder
- Compliant with various AC withstanding voltage tests
- Excellent surge response
- Capacitance ≤ 0.6pF, insulation resistance ≥ 100Mohm
- Stable for repeated discharge tests
- UL1449 Recognized
- RoHS compliant

■型号构成 Part number system

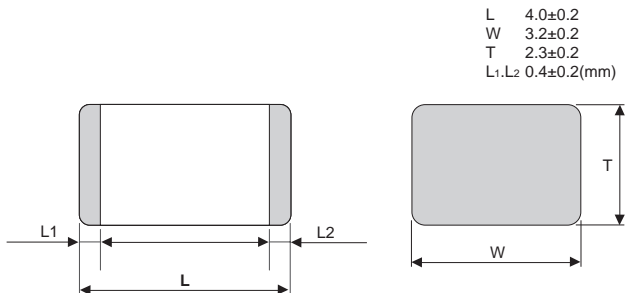


■特性 Characteristics

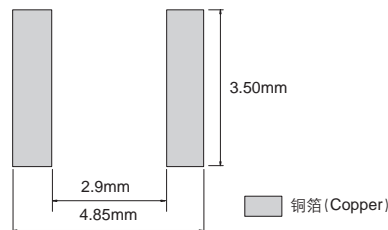
型号 Part number	直流放电开始电压 DC Spark-over voltage Vs	绝缘阻抗 Insulation resistance IR		静电容量 Electrostatic capacitance 1kHz-6V max. C	浪涌耐量 Surge current Capacity 8/20 μs	浪涌寿命 Surge life test	AC耐电压 Withstanding Voltage	UL规格认证产品 UL recognized		EN规格认证产品 EN recognized	
								3) UL497B	4) UL1449	5) EN60065 EN60950-1	
NEW CDA70-301M	300V(240~360)	100MΩmin.	DC100V	0.6pF max.	2,000A	8/20μs 100A 300times	—	○	○ 1)	—	
NEW CDA70-501M	500V(400~600)		DC250V				—	○	○ 1)	—	
NEW CDA70-701M	700V(560~840)		—				—	○	○ 1)	—	
NEW CDA70-102M	1,000V(800~1,200)		—				—	—	○ 1)	—	
NEW CDA70-152M	1,500V(1,200~1,800)		—				—	—	○ 1)	—	
CDA70-272M	2,700V(2,160~3,240)		—				DC500V	AC1,000V-1min. AC1,200V-3sec.	—	○ 1)	—
CDA70-302M	3,000V(2,400~3,600)		—				—	AC1,500V-1min.	—	○ 1)	○ 2)
CDA70-362M	3,600V(2,880~4,320)		—				—	AC1,800V-3sec.	—	○ 1)	○ 2)

- 1) : 与压敏电阻 (AC125V:V1mA≥A270V, D≥ø10mm, AC250V:V1mA≥470V, D≥ø10mm) 电气串接 (导线绕焊、压接、焊接等) 即可被认证。
Approved if used with a varistor (125VAC : V1mA≥270V, D≥ø10mm, 250VAC : V1mA≥470V, D≥ø10mm), electrically connected in series (soldered, crimped, or welded).
- 2) : 与压敏电阻 (V1mA≥470V, D≥ø5mm) 电气串接 (导线绕焊、压接、焊接) 即可被认证。
Approved if used with a varistor (V1mA≥470V, D≥ø5mm), electrically connected in series (soldered, crimped, or welded).
- 3) : UL Standard UL 497B File No. E175280
4) : UL Standard UL 1449 File No. E318314
5) : TÜV Report No.J50164470

■形状・尺寸 Dimensions

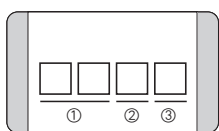


■推荐焊盘布局 Recommended Land Pattern



浪涌吸收器
SURGE ABSORBER

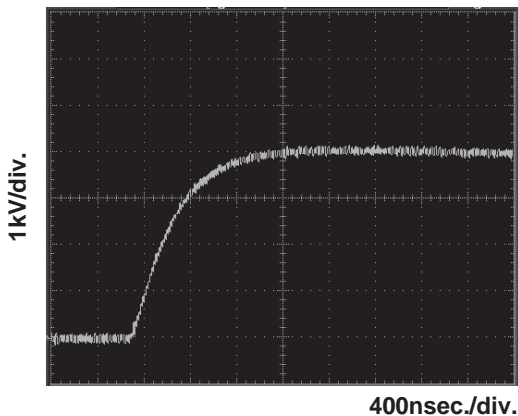
■标记 Marking



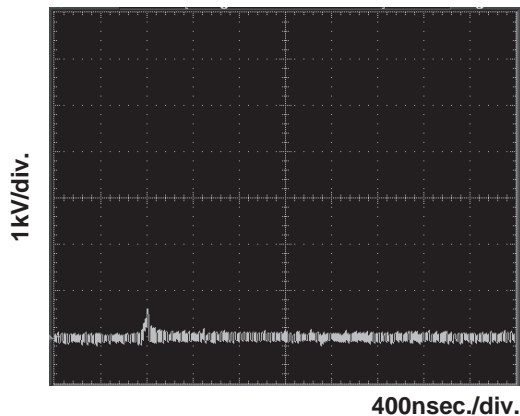
- ① : 型号略符 (最多两位数字)
Part number (Number with two digits maximum)
- ② : 生产月份
Production month
- ③ : 生产年份
Production year

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

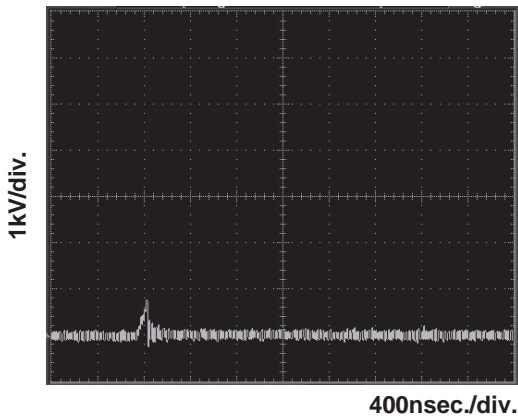
浪涌原波形 Original waveform
1.2/50μsec. 4kV



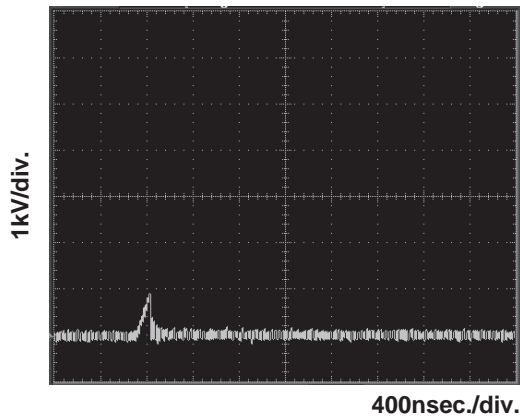
CDA70-301M 响应波形
CDA70-301M Response waveform



CDA70-501M 响应波形
CDA70-501M Response waveform



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



■焊接条件请参见第 106 页。 Please refer to page 106 for soldering conditions.