

CDA70 系列是贴片式通讯线路用电压吸收器。实现高质冲击响应特性和 0.6pF 以下低静电容量。虽然是 4032 形状的小型低背贴片，但是具有 8/20 μ s-2,000A 型的抗冲击破坏力。400V 的产品符合 ADSL POTS ★分路器用规格：ITU-T (国际电信联盟试验规格) K.20 或 K.21 的 Enhanced Test Condition。

CDA70 is a chip type surge absorber for communication line with excellent surge protection characteristics and low capacitance less than 0.6pF. Even its small package design, it is easily able to withstand 2,000A(8/20 μ s) surge. Meets the standard for ADSL POTS ★ splitters, in accordance with ITU-T (International Telecommunication Union test standrd) K.20 and K.21 Enhanced Test Conditions.
★ POTS : Plain Old Telephone Service

■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
- 高质响应性
- 0.6pF 以下的低静电容量、100M Ω 以上的高绝缘阻抗
- 可稳定应对反复浪涌
- 已通过 UL1449 标准
- 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
- Allows performing the AC withstanding voltage test
- Excellent surge response
- Low capacitance of less than 0.6pF
Excellent insulation resistance over 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

CDA70 — 301 L — T M

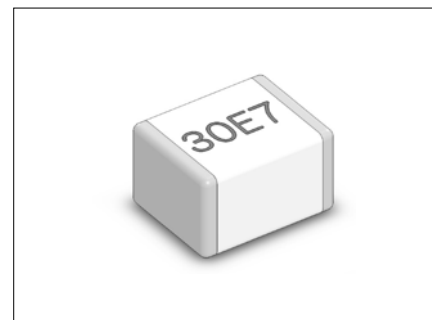
系统名 Series 直流放电开始电压 (Vs) DC Spark-over voltage(Vs) 直流放电开始电压容许偏差 DC Spark-over voltage tolerance 编带形式 Taping form 标记记号 Marking

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.

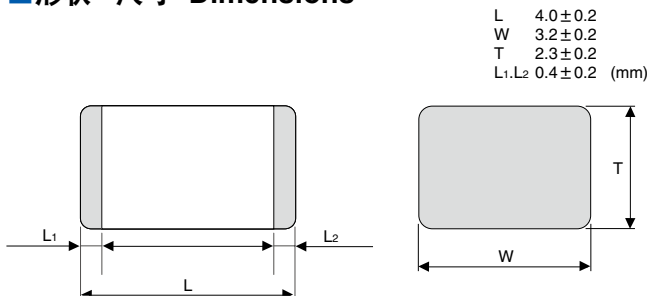
L	$\pm 15\%$
M	$\pm 20\%$

例) 301表示:
30 $\times 10^1 = 300v$
Ex) 301 means:
30 $\times 10^1 = 300v$

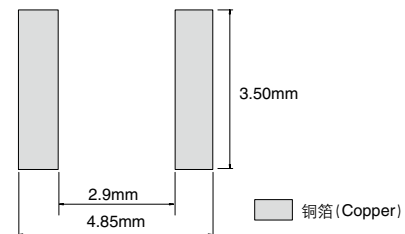
T 带装 Taping



■形状·尺寸 Dimensions



■推荐焊盘布局 Recommended Land Pattern

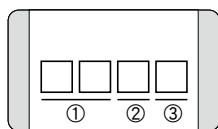


■特性 Characteristics

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	浪涌耐量 Surge current Capacity 8/20 μ s	浪涌寿命 Surge life test	AC耐电压 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 File No. J50164470
CDA70-701M	700V (560~840)	$\geq 100M\Omega$	DC250V	2,000A	8/20 μ s 100A.300times	—	○	○ 1)	○ 1)	—
CDA70-102M	1,000V (800~1,200)		—			—	○ 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)	

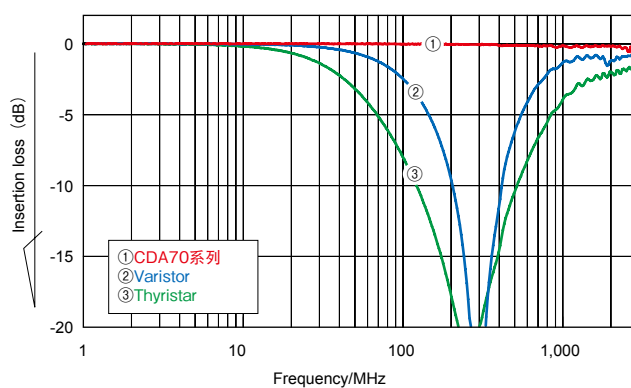
- 1) : 与压敏电阻 (AC125V : V 1mA \geq 270V D \geq ϕ 7mm, AC250V : V 1mA \geq 470V D \geq ϕ 7mm) 电气串联即可被认证。
Approved if used with a varistor (125VAC : V1mA \geq 270V, D \geq ϕ 7mm, 250VAC : V1mA \geq 470V, D \geq ϕ 7mm), electrically connected in series.
- 2) : 与压敏电阻 (V 1mA \geq 470V D \geq ϕ 5mm) 电气串联即可被认证。
Approved if used with a varistor (V1mA \geq 470V, D \geq ϕ 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.

■ 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

■ 插入损失特性(参考值) Insertion loss (Reference Value)



如左图所示，CDA70系列具有0.6pF以下的低静电容量，因此不会阻碍兆位级的高速通信信号。

As can be seen in the figure on the left, the CDA70 series can be used on megabit class lines without in bibiting the high-speed signals due to a low capacitance of less than 0.6pF.