DA53 系列

DA53系列是利用微隙进行电场放电的浪涌保护元件。浪涌响应性好，可适应各种AC耐电压试验，是需要较大浪涌耐量的电源线防浪涌的理想浪涌吸收元件。

DA53 Series has a micro gap cut to an accuracy of several tens of microns in width for rapid response against induced lightning and electrostatic discharges.
Allows performing the AC withstanding voltage test.
This series are ideal for protecting power supplies against surge voltage.

特点

●结构极其小巧。(直径5.3mm，长度10mm)
●可适应各种AC耐电压试验。
●浪涌耐量大。
●浪涌响应性好，限制电压低。
●静电容量小，绝缘性优异。
●可稳定应对反复浪涌及环境变化。
●无极性。
●无明暗场所的特性差异。
●DA53系列可在各种电源电路中与指定的陶瓷电阻或压敏电阻组合使用。

Features

●Small size. (ø5.3mm Length 10mm)
●Allows performing the AC withstanding voltage test.
●Used to protect power supplies.
●Quick response for surge voltage, and low limiting voltage.
●Small capacitance and excellent insulation resistance.
●Stable for repeated discharge test conditions and environmental fluctuation.
●No polarity.
●No dark effect.
●DA53 Series combined with a cement resistor or varistor can be used as surge-protecting elements in power supplies.

型号构成 Part number system

DA53 – 622 M – F – E15E

- DA53：系列名 Series
- 622：直流放电开始电压(Vs) DC Spark-over voltage (Vs)
  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) 622表示：Ex.) 622 means: 62×10²=6200v
- M：直流放电开始电压容许偏差 DC Spark-over voltage tolerance

M	±20%

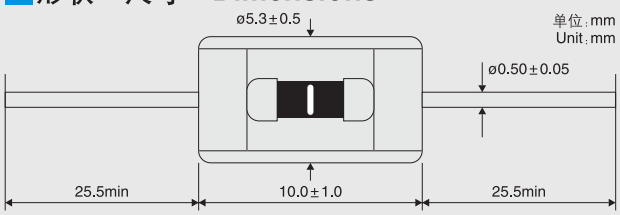
- F：包装形式 Packing form

B	散装 Bulk pack
F	整体成形包装 Bulk Forming pack

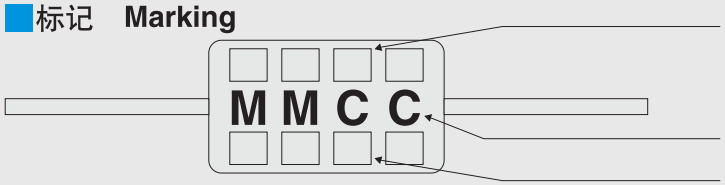
- E15E：特殊记号 Special code

记号 Code	说明 Description
无 None	包装形式为B Bulk pack
E15E	包装形式为B(成形形状为E)，导线间距15mm Bulk forming, Lead pitch 15mm
E25E	包装形式为F(成形形状为E)，导线间距25mm Bulk forming, Lead pitch 25mm

形状・尺寸 Dimensions



标记 Marking



①批号(最多4位英文字母及数字)
Lot No. (Number with four digits maximum)

②商标 Trade mark

③型号略符(最多4位英文字母及数字)
Part number (Number with four digits maximum)

特性 Characteristics

系列 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.	浪涌耐量 Surge current capacity 8/20μsec.	浪涌寿命 Surge life test	AC耐电压 AC withstanding voltage	UL规格认证产品 UL recognized		CSA规格认证产品 CSA approved	EN认证 EN approved
									5) UL1414	6) UL1449	7) CSA22.2	8) EN132400
DA53	DA53-701M	560V～840V	100MΩmin.	DC 250V	1pF max.	8/20μsec. 3,000A	8/20μsec. 100A 300times	–	–	–	–	–
	DA53-272M	2,160V～3,240V		DC 500V				AC1,200V–3sec.	–	○2)	○3)	–
	DA53-302M	2,400V～3,600V						AC1,500V–1min.	○1)	○2)	○3)	○4)
	DA53-362M	2,880V～4,320V		DC 1,000V				AC1,800V–3sec.	○1)	○2)	○3)	○4)
	DA53-622M	4,960V～7,440V						AC3,000V–3sec.	○1)	–	○3)	○4)
	DA53-752M	6,000V～9,000V						AC3,600V–3sec.	○1)	–	○3)	○4)
	DA53-782M	6,240V～9,360V						AC4,000V–1min.	–	–	–	○4)

1)：与UL认证压敏电阻(V 1mA≥270V)电气串接(导线绕焊、压接、焊接等)即可被认证。
Approved if used together with an UL approved varistor (V1mA≥270V), electrically connected in series by means such as twist and soldering, staking, welding etc.
2)：与本公司指定的陶瓷电阻(RGBS5L-3ΩK)电气串接(导线绕焊、压接、焊接等)即可被认证。包括UL认证压敏电阻(V 1mA≥270V D≥ø5mm)。
Approved if used together with a resistor " RGBS5L-3ΩK ", electrically connected in series by means such as twist and soldering, staking, welding etc.
An UL approved varistor (V1mA≥270V, D≥ø5mm) can also be used instead of the resistor.
3)：与压敏电阻(AC125V : V1mA≥270V, D≥ø5mm, AC250V : V1mA≥470V, D≥ø5mm)电气串接(导线绕焊、压接、焊接等)即可被认证。
Approved if used together with a varistor (AC125V : V1mA≥270V, D≥ø5mm, AC250V : V1mA≥470V, D≥ø5mm), electrically connected in series by means such as twist and soldering, staking, welding etc.
4)：与压敏电阻(V1mA≥470V, D≥ø5mm)电气串接(导线绕焊、压接、焊接等)即可被认证。
Approved if used together with a varistor (V1mA≥470V, D≥ø5mm), electrically connected in series by means such as twist and soldering, staking, welding etc.
5)：UL Standard UL 1414 File No. E89615 (N)
6)：UL Standard UL 1449 File No. E70785 (S)
7)：CSA Standard C22.2 No.1 File No. CA111411
8)：DA53 has received recognition to EN132400 through TÜV. Report No. J9851289(Y1: DA53-752M,782M), J9850855(Y2: DA53-302M,362M,622M)