通信线路用 新产品
DE37

DE37是符合5mm引脚间距插装的电源线、通信线路用浪涌吸收器。该系列结构小巧，浪涌耐量达1500A(8/20μsec.)，动作电压范围为300~4500V。其中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Basic Test Condition(基本试验条件)，被日本国内许多用户用于局用或家用ADSL分路器，并获得一致好评。
※POTS：Plain Old Telephone Service

■特点

- ●采用5mm引脚间距的径向编带形状，适合自动插装(元件高度控制在15.5mm以下)。(2700V以上的品种除外)
- ●可选用轴向编带(玻璃放电管平放时也可实现自动插装)。
- ●1pF以下的低静电容量，不会阻碍兆位级的高速通信信号。
- ●采用微隙方式，具有优异的浪涌响应效果。
- ●具有100MΩ以上的高绝缘阻抗特性。

For Communication Lines NEW
DE37

The DE37 surge absorbers have a 5mm pitch and are ideal for power lines and communication networks. This compact device can handle surges of up to 1500A(8/20μsec.) and is available in several voltages ranging from 300V to 4500V.The 400V part meets the standard for ADSL POTS* splitters: ITU-T(International Telecommunication Union test standard) K.20 and K.21 Basic Test Condition, and has already received good response from both service providers and home users in ADSL splitters.

■Features

- ●The 5mm pitch; radial taped parts can be mounted using automatic insertion equipment (the part is lower than 15.5mm). (except the item of over 2700V)
- ●Also available in axial taping (the glass tube can be mounted flat using automatic insertion equipment).
- ●Can be used on megabit class high speed without attenuation of signal due a capacitance value of less than 1pF.
- ●Superior surge response characteristics due to microgap technology.
- ●High insulation resistance of over 100MΩ.

■型号构成 Part number system

DE37 – 401 W – S00B

- DE37：系列名 Series
- 401：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) 401表示：40×10¹=400v
  - Ex.)401 means: 40×10¹=400v
- W：直流放电开始电压容许偏差 DC Spark-over voltage tolerance

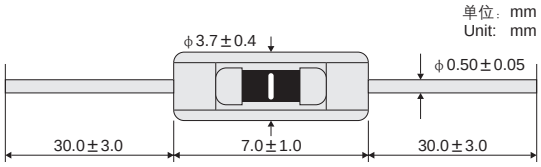
L	±15%
M	±20%
W	+20% −15%

- S00B：包装形式 Packing form

A12F	轴向编带（带宽26mm）、扁平带装 Axial taping (taping width 26mm), Flat pack taping
A22F	轴向编带（带宽52mm）、扁平带装 Axial taping (taping width 52mm), Flat pack taping
D04F	径向编带、扁平带装 Radial, Flat pack taping
S00B	散装 Bulk pack

■形状・尺寸 Dimensions

单位：mm
Unit: mm



■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.	浪涌耐量 Surge current capacity 8/20μsec.	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
								4) UL 497B	5) UL1449	6) EN60065 EN60950-1
DE37-301L	300V(255～345)	100MΩmin.	DC 100V	1pF max.	1500A	8/20μsec. 100A 300times	–	○	–	–
DE37-351M	350V(280～420)		DC 250V				–	○	–	–
DE37-401W	400V(340～480)						–	○	–	–
DE37-501M	500V(400～600)						–	○	–	–
NEW DE37-102M	1,000V(800～1,200)		DC 500V				–	–	–	–
DE37-272M	2,700V(2,160～3,240)					8/20μsec. 100A 200times	AC1,000V-1min. AC1,200V-3sec	–	○ 1)	–
DE37-302M	3,000V(2,400～3,600)						AC1,500V-1min.	–	○ 2)	○ 3)
DE37-362M	3,600V(2.880～4,320)						AC1,800V-3sec	–	○ 2)	○ 3)
DE37-452M	4,500V(3,600～5,400)		DC 1000V				AC2,000V-1min.	–	○ 2)	○ 3)

1)：若与压敏电阻（AC125V:V1mA≥270V，D≥ø5mm）电气串接（导线绕焊、压接、焊接等）即被认可。
Approved if used with a varistor (125VAC : V1mA≥270V, ø≥5mm) electrically connected in series (soldered, crimped, or welded).
2)：若与压敏电阻（AC125V:V1mA≥270V，D≥ø5mm，AC250V:V1mA≥470V，D≥ø5mm）电气串接（导线绕焊、压接、焊接等）即被认可。
Approved if used with a varistor (125VAC : V1mA≥270V, ø≥5mm ; 250VAC : V1mA≥470V, ø≥5mm) electrically connected in series (soldered, crimped, or welded).
3)：若与压敏电阻（V1mA≥470V，D≥ø5mm）电气串接（导线绕焊、压接、焊接）即被认可。
Approved if used with a varistor (V1mA≥470V, ø≥5mm) electrically connected in series (soldered, crimped, or welded).
4)：UL Standard UL 497B File No. E175280 DC spark-over voltage is described as break down voltage in the UL report.
5)：UL Standard UL 1449 File No. E318314
6)：TÜV Report No.J50164439

■ITU–T K.20 Basic Test Condition（基本试验条件）

●浪涌试验
10/700 μsec 1.5kV/4kV（25Ω）±5次
●AC感应试验
AC600V（600Ω）1sec. 5次
●AC交叉试验
AC230V（10－1000Ω）15min
但外加AC230V时，DE37－401W未响应。

■Basic Conditions for ITU-T K.20

●Surge Test: 10/700μsec, 1.5kV/4kV (25Ω), 5 times.
●AC Induced Test : AC600V (600Ω), 1sec., 5 times.
●AC Cross Test: AC230V(10~1000Ω), 15min.
(however, AC230V is too low for the DE37-401W to react)