

Size: Ø2.6x5.0mm

1000A

1 Application:

- For instantaneous over-voltage protection to ADSL,ISDN,MODEM,FAX,TEL,Power Supplies,Alarm systems.
- For instantaneous over-voltage protection to RS485,RS232 port, CATV,video tranceiver.
- For instantaneous over-voltage protection to ammeter,water meter auto admin system, etc



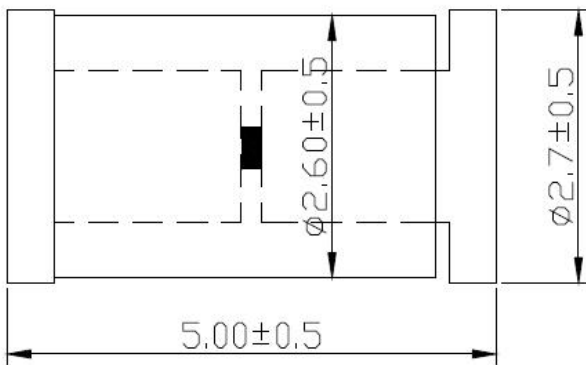
2 Features

- Small capacitance and excellent insulation resistance(100MΩ min).
- Small size,No polarity.No dark effect.
- Low electrode capacitance(1pF max).
- Quick response for electrostatic,surge voltage and low limiting voltage.
- Stable for repeated discharge test conditions.
- Operating temperature: -40℃ ~ +85℃. Storage temperature: -40℃ ~ +125℃.

3 Electrical Characteristics

| Part Number | DC Spark-Over Voltage Vs(V) | | Insulation Resistance | | Capacitance of electrostatic 1KHz-6V(PF) | Surge current capacity 8/20us | Surge Life Test |
|--------------|--------------------------------|--------------|-----------------------|---------|---|----------------------------------|---|
| | Nominal value | (min-max) | Test voltage | IR (MΩ) | | | |
| JSE-141N-SMB | 140V | (98V-182V) | DC50V | >100MΩ | 1PF(MAX) | 1000A | 1KHz-10KV Max (10/700us 4KV 100A 10times) |
| JSE-181N-SMB | 180V | (126V-234V) | DC100V | | | | |
| JSE-201M-SMB | 200V | (160V-240V) | | | | | |
| JSE-301M-SMB | 300V | (240V-360V) | DC250V | | | | |
| JSE-401M-SMB | 400V | (320V-480V) | | | | | |
| JSE-501M-SMB | 500V | (400V-600V) | DC400V | | | | |
| JSE-601M-SMB | 600V | (480V-720V) | | | | | |
| JSE-901M-SMB | 900V | (750V-1050V) | DC500V | | | | |
| JSE-102M-SMB | 1000V | (800V-1200V) | DC500V | | | | |

4 Dimension(Diameter 2.6mm , Length 5.0mm)



7 Initial Characteristics 基本特性 :

| 项目 Test Item | 测试条件 Test Method | 规格值 Specification |
|---|--|--|
| 直流放电电压 DC Spark-Over VoltageVs(V) | 逐渐地增加测量使用直流电压, 即可知其开始电压, 测定电流为一毫安与测定时间最大为一秒 (1sec).(1mA) (Add and measure the DC Voltage gradually Maxto get the discharge threshold voltage. The measuring current is 1mA/1 second max.) | 依型号而定 (It depends on each part number.) |
| 内绝缘电阻 Insulation Resistance | 在规定的设定直流电压下, 跨在两端引线, 即测量其内绝缘电阻值.(Measure the insulation resistance of two end of leadwire under the specified DC voltage.) | 100MΩ或大于 100MΩ (100MΩ min.) |
| 静电电容 Capacitance C(pF) | 使用频率 1KHZ 与小于或等于 6V 直流电压之电源, 即测量其静电电容量 Measure the Electrostatic Capacitance under the test condition of 1KHz,DC 6V(max). | 1PF 或小于 1PF (1pF max.) |

8 Enviromental Characteristics(环境试验) :

| 试验项目 Test Item | 试验方法 Test Method | 性能 Characteristics |
|---|--|---|
| 耐寒性(依据 JIS C0020) Cold Resistance JIS C0020 | 放置于-40℃±3℃之环境中 1000 小时后,取出置于常温常湿中 4 小时后,检测直流开始放电电压, 绝缘阻抗, 静电容量及检查外观. After -40±3℃(1000hrs) / room temp.,normal humidity(4 hrs) cycle,measure the properties. | 满足各个特性之规格值 Within standard mentioned in Initial Characteristics. |
| 耐热性(依据 JIS C0021) Heat Resistance JIS C0021 | 放置于 125℃±2℃之环境中 1000 小时后,取出置于常温常湿中 4 小时后,检测直流开始放电电压, 绝缘阻抗, 静电容量及检查外观. After 125±2℃(1000hrs) / room temp.,normal humidity(4 hrs) cycle,measure the properties. | 满足各个特性之规格值 Within standard mentioned in Initial Characteristics. |
| 耐湿性(依据 JIS C0022) Humidity Resistance JIS C0020 | 放置于 85℃±2℃ RH85%之环境中 1000 小时后,取出置于常温常湿中 4 小时后,检测直流开始放电电压, 绝缘阻抗, 静电容量及检查外观。 After 85±2℃, 85% RH (1000hrs)/room temp., normal humidity (4hrs)cycle, measure the properties. | 满足各个特性之规格值 Within standard mentioned in Initial Characteristics. |
| 温度周期(依据 JISC0025) Temperature Cycle Test (JIS C0025) | -40℃±3℃(30 分)~(常温 3 分)~125℃±2℃(30 分)为 1 周期,重复 25 次后,取出置于常温常湿中 4 小时后,检测直流开始放电电压, 绝缘阻抗, 静电容量及检查外观。 25 times repetition of cycle -40±3℃ (30 Min.),roon temp., (4 Min.),125±2℃(30 Min.),room temp., normal humidity(4hrs) . | 满足各个特性之规格值 Within standard mentioned in Initial Characteristics. |

9 Surge Characteristics 突波特性 :

| 试验项目 Test Item | 试验方法 Test Method | 结果 Result |
|------------------------|---|--|
| 突波寿命(JSE) Life(JSE) | (Apply a standard impulse voltage (10X700) μ sec)of 1KV for 5 times with intervals of 30 sec., and then change the polarity of the surge and apply a impulse again. And similarly, apply a impulse voltage((100X1000) μ sec) of 1KV. Total apply 24 times. Then measure DC spark-over voltage, IR & Capacitance.) | 直流开始放电电压 JSE $\Delta V_s/V_s \leq 30\%$ (DC sparkover volatage JSE: $\Delta V_s/V_s \leq 30\%$) |
| 突波寿命(JSE) Life(JSE) | 每 voltage charged in 1500pF condenser and apply the current to the specimen,200 times at 10 seconds of intervals.) | (Insulation Resistance & Capacitance to meet the specified value.Appearance: No cracks or failures .) |

10 Packaging:

| Symbol | Dimension (mm) |
|-------------------|-----------------------|
| W | 12.00 \pm 0.20 |
| P0 | 4.00 \pm 0.10 |
| P1 | 4.00 \pm 0.10 |
| P2 | 2.00 \pm 0.10 |
| D0 | Φ 1.5 \pm 0.10 |
| D1 | Φ 1.5 \pm 0.10 |
| E | 1.75 \pm 0.10 |
| F | 5.50 \pm 0.05 |
| A0 | 3.00 \pm 0.10 |
| B0 | 6.00 \pm 0.10 |
| K0 | 3.00 \pm 0.10 |
| T | 0.30 \pm 0.05 |
| D | 178.0 |
| d | 13.0 |
| L | 15.0 |
| Quantity: 1500PCS | |

Specifications are subject to change without notice

sales@huaandz.com