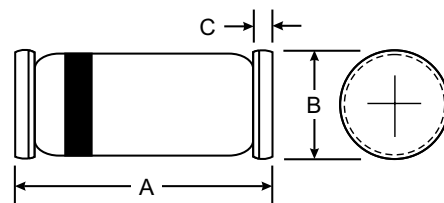


Features

- Small Capacitance and excellent Insulation Resistance(100MΩ min)
- Small Size, No Polarity. No Dark effect
- Low Electrode Capacitance (1pF Max).
- Quick Response For Electrostatic, Voltage and low limiting voltage
- Stable for repeated discharge test conditions.
- Operating Temperature: -40°C ~ + 85°C
- Storage temperature: -40°C ~ + 125°C



Application

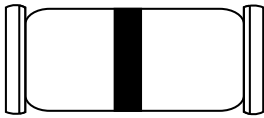
- For instantaneous over-voltage protection to ADSL, ISDN,
- MODEM, FAX, TEL, Power Supplies , Alarm systems
- For Instantaneous over-voltage protection to RS485, RS232 Port, CATV, Video Transceiver.
- For Instantaneous Over-Voltage Protection Toammeter, Water Meter Auto Admin system, etc

| LL34/ SOD-80 | | |
|----------------------|------|------|
| Dim | Min | Max |
| A | 3.30 | 3.70 |
| B | 1.30 | 1.60 |
| C | 0.28 | 0.50 |
| All Dimensions in mm | | |



Electrical Characteristics

| Part Number | DC Spark-Over Voltage Vs(V) | | Insulation Resistance | | Capacitance of electrostatic | Surge current | Surge Life Test |
|-----------------|-----------------------------|--------------|-----------------------|---------|------------------------------|-----------------|-----------------|
| | Nominal value (min-max) | | Test voltage | IR (MΩ) | 1KHz-6V(PF) | capacity 8/20us | |
| SMB-141N | 140V | (98V-182V) | DC100V | >1000MΩ | 1PF(MAX) | 1000A | 8/20us |
| SMB-181N | 180V | (126V-234V) | | | | | |
| SMB-201M | 200V | (160V-240V) | | | | | |
| SMB-251M | 250V | (200V-300V) | | | | | |
| SMB-301M | 300V | (240V-360V) | | | | | |
| SMB-401M | 400V | (320V-480V) | | | | | |
| SMB-471M | 470V | (400V-560V) | DC250V | >1000MΩ | | 1000A | 10times |
| SMB-501M | 500V | (400V-600V) | | | | | |
| SMD-901M | 900V | (720V-1080V) | | | | | |
| SMB-901M | 900V | (720V-1080V) | | | | | |



SMB **501** **M**

 DC Spark-Over Voltage Accuracy ± 20

 DC Spark-Over Voltage 500V

 Dimension: Diameter $\phi 2.6$ Length 5.0mm