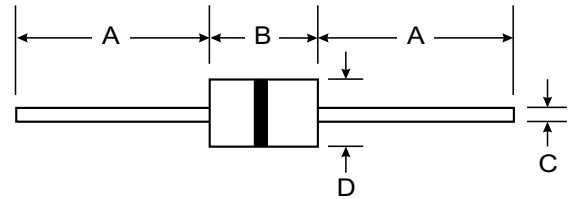


### Features

- 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



DIP		
Dim	Min	Max
A	3.1	0.3
B	4.0	0.4
C	0.5	0.1
D	28.4	0.5
All Dimensions in mm		

### Electrical Characteristics

Part Number	DC Spark-Over Voltage Vs(V)		Insulation Resistance		Capacitance of electrostatic		Surge current capacity 8/20us	Surge Life Test
	Nominal value	(Min-Max)	Test voltage	IR (MΩ)	1KHz-6V			
GSA-141N	140V	(98V-182V)	DC100V	>1000MΩ	1PF(MAX)	3000A	8/20us, 100A 250times	
GSA-181N	180V	(124V-236V)						
GSA-201M	200V	(160V-240V)						
GSA-251M	250V	(200V-300V)						
GSA-301M	300V	(240V-360V)						
GSA-401M	400V	(320V-480V)						
GSA-471M	470V	(400V-560V)						
GSA-501M	500V	(400V-600V)	DC250V	>1000MΩ				
GSA-102M	1000V	(800V-1200V)						
GSA-152M	1500V	(1200V-1800V)						

Part Number	Colour
GSA-141N	Brown
GSA-181M	Gray
GSA-201M	Red
GSA-251M	Red
GSA-301M	Red
GSA-401M	yellow
GSA-471M	yellow
GSA-501M	Green
GSA-102M	Black
GSA-152M	Green



**Part Number Description:**

