ShenZhen HuaXinAn Electronics Co.,Ltd

Surge Absorbers

GSE Series 1000A

1 Application:

Fast Delivery Time

·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 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.

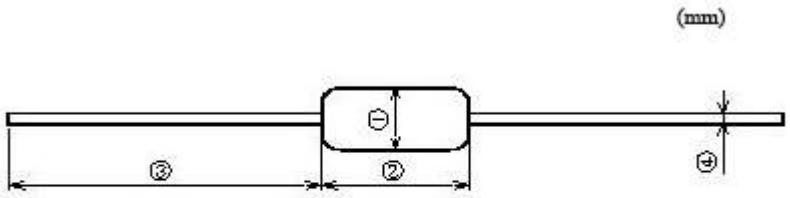
·Stable for repeated discharge test conditions.

·Operating temperature: -40℃～+85℃. Storage temperature: -40℃～+125℃.

3 Electrical Characteristics

Part Number	DC Spark-Over Voltage Vs(V) Nominal value（Min-Max）		Insulation Resistance		Capacitance of electrostatic	Surge current capacity 8/20us	Surge Life Test
			Test voltage	IR (MΩ)	1KHz-6V		
GSE-141N	140V	(98V-182V)	DC100V	>1000MΩ	1PF(Max)	1000A	8/20us 100A 300times
GSE-181N	180V	(126V-234V)					
GSE-201M	200V	(160V-240V)					
GSE-251M	250V	(200V-300V)					
GSE-301M	300V	(240V-360V)					
GSE-401M	400V	(320V-480V)					
GSE-501M	500V	(400V-600V)	DC250V	>1000MΩ			

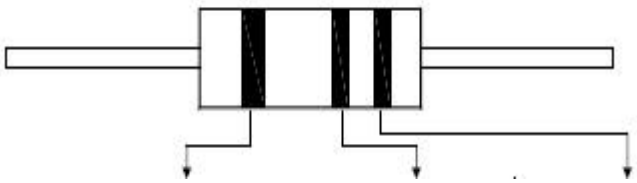
4 Dimension(mm)：

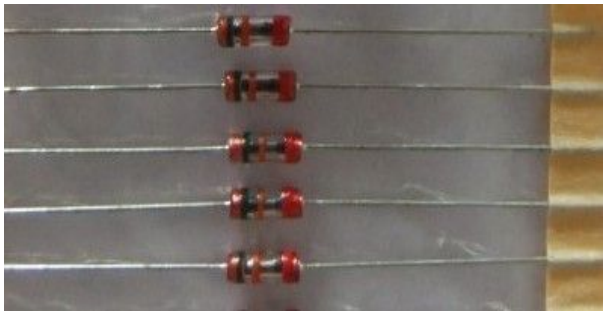


①	②	③	④
Ø2.60±0.2	6.70±0.4	28.40±0.5	Ø0.5±0.1

5 Marking of colour code：

Fast Delivery Time





GSE-501M Photo

Part Number	Colour Code 1	Colour Code 2	Colour Code 3
GSE-301M	Orange	Red	Red
GSE-501M	Green	----	---

6 Part Number Description:

GSE 301 M

- M — DC Spark-Over Voltage Accuracy ±20
- 301 — DC Spark-Over Voltage 300V
- GSE — Dimension： Diameterφ2.6 Length 6.7mm

7 Packing Quantity (1500PCS)