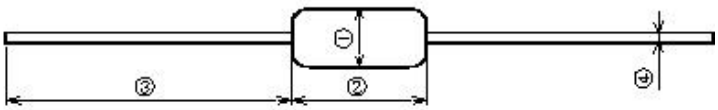
Features

- 反应速度快50ns
- 体积小,贴片封装更有竞争力
- 能流能力大
- 静态电容量小，绝缘性好

Applications

- ADSL MODEM、FAX、TEL
- RS485、RS232、CAN一级防护
- Security and fire alarm systems

产品尺寸/Dimensions(mm)



1	2	3	4
2.0±0.3	4.0±0.3	28.0±3.0	0.5±0.05

产品参数/Electrical characteristics

型号 Part Number	直流起始放电电压 DC Spark-Over Voltage Vs(V)	绝缘阻抗 Insulation Resistance IR(OHM)/DC	电容量 Capacitance 1KHZ-6Vmax C(pf)	耐冲击电流 Surge Current Capacity 8/20us	寿命测试Sureg Life Test
SPGL141N	140	＞100M/50V	＜0.8	10KV ＞500A	10KV 100A ＞ 200次
SPGL201M	200	＞100M/100V			
SPGL301M	300				
SPGL401M	400	＞100M/250V			
SPGL501M	500				
SPGL601M	600				
SPGL701M	700	＞100M/500V			
SPGL102M	1000				
SPGL152M	1500				

***N ±30% M ±20%

色环代码/Color Code

型号Part Number	Color Code 1	Color Code 2	Color Code 3
SPGL141N	Brown		
SPGL201M	Red		
SPGL301M	Orange		
SPGL401M	Yellow		
SPGL501M	Green		
SPGL601M	Blue		
SPGL701M	Purple		
SPGL102M	Black		
SPGL152M	BLack	Green	Red

基本参数特性测试/Initial Characteristics

项目 Test Item	测试条件 Test Method	结果Specification
直流放电电压 DC-Spark-Over Voltage Vs	使用一直流电源，并逐渐地增加测量电压，测试电流为1ma，测试时间最大为一秒（1sec）.(1mA)(Add and measure the DC Voltage gradually Maxto get the discharge threshold voltage. The measuring current is 1mA/1 second max.)	依规格书值而定 (It depands on each spec.)
内绝缘电阻 Insulation Resistance	在规定的设定直流电压下，跨在两端引线。即可测量其内绝缘电阻值。(Measure the insulation resistance of two end of leadwire under the specified DC voltage.)	大于等于100MΩ(100MΩ min.)
静态电容 Capacitance C(pF)	使用频率1KHz与并两端加载小于或等于6V直流电压的电源。即可量出其静态电容量Measure the Electrostatic Capacitance under the test condition of 1KHz,DC 6V(max).	小于或等于1pF (1pF max.)

环境试验测试/Enviromental Characteristics

实验项目 Test Item	试验方法 Test Method	结果Specification
耐寒性	放置于-40℃±3℃的环境中1000小时后，取出置于常温中4小时后，检测直流开始放电电压，绝缘阻抗，静态电容量及检查外。After -40±3℃ (1000hrs) / room temp.,normal humidity(4 hrs) cycle, measure the properties.	满足各个特性相关参数值 Within standard mentioned in Initial Characteristics.
耐热性	放置于125℃±2℃的环境中1000小时后，取出置于常温中4小时后，检测直流开始放电电压，绝缘阻抗，静态电容量及检查外。After 125±2℃ (1000hrs) / room temp.,normal humidity(4 hrs) cycle, measure the properties.	满足各个特性相关参数值 Within standard mentioned in Initial Characteristics.
耐温性	放置于85℃±2℃ RH85%的环境中1000小时后，取出置于常温中4小时后，检测直流开始放电电压，绝缘阻抗，静态电容量及检查外。After 85℃±2℃ RH85%(1000hrs) / room temp.,normal humidity(4 hrs) cycle, measure the properties.	满足各个特性相关参数值 Within standard mentioned in Initial Characteristics.
温度周期	-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/常温中4小时后，检测直流放电电压，绝缘阻抗，静态电容量及检查外观25 times repetition of cycle -40±3℃ (30 Min.),roon temp., (4 Min.), 125±2℃(30 Min.),room temp., normal humidity(4hrs) .	满足各个特性相关参数值 Within standard mentioned in Initial Characteristics.

浪涌寿命测试/Surge Characteristics

实验项目 Test Item	试验方法 Test Method	结果Specification
浪涌承受能力	在玻璃放电管置于8/20us的浪涌测试仪两端，施加该型号相对应的耐冲击电流，间隔时间为60s 正负各测试5次。检测其直流电压，绝缘阻抗，静态电容及检查外观	直流放电电流Vs/Vs≦30% (DC spark-over volatage JSE: △Vs/Vs≦30%)
突波寿命测试	让一只玻璃放电管与一只1500pF的电容并于电源两端，每间隔10秒施加10KV电压,做200次. (Apply 10 KV voltage charged in 1500pF condenser and apply the current to the specimen,200 times at 10 seconds of intervals.)	满足各个特性相关参数值 Within standard mentioned in Initial Characteristics.

环境试验测试/Enviromental Characteristics

实验项目 Test Item	试验方法 Test Method	结果Specification
拉力强度	施加2.5KG负重于引线约30秒钟后，检测直流放电电压，绝缘阻抗，静态电容及检查外观 (Apply 2.5 kgs load approximately 30 seconds, then check for pull-out and breaking of the lead wire.)	满足各个特性相关参数值 Within standard mentioned in Initial Characteristics.
弯曲强度	距离引线熔接点根部绝3mm处，使用曲率半径为0.75-0.8mm器具，与轴方向垂直角度，负重0.25Kg，弯曲后回复原状，反复2次后，检测直流放电电压，绝缘阻抗，静态电容及外观(Bend the lead wire, with jig which radius is 0.75~0.8mm, at the point of 2mm from the body, under 0.25 kgs load applied at the right angle the direction of the amis and get the bent lead wire back to its original poing after the procedure was repeated 2 times.)	满足各个特性相关参数值 Within standard mentioned in Initial Characteristics.

环境试验测试/Enviromental Characteristics

实验项目 Test Item	试验方法 Test Method	结果Specification
焊锡附着性	将沾过助焊剂之导线，自距离导线迷熔接点根部3mm处起，浸于265±5℃之焊锡液中5秒钟后，将导线之助焊剂洗净后，检查焊锡附着情况. (Apply flux and immerse in molten solder, up to the point of 3mm from the body,for 5 sec. (235℃±5℃). Wash the leadwire and check for soldering adhesion.)	导线需均匀附着90%以上(Lead wire is evenly covered by solder over 90%.)
焊锡耐热性	将沾过助焊剂之导线，自距离导线迷熔接点根部3mm处起，浸于265±5℃之焊锡液中10秒钟后，检测直流放电电压，绝缘阻抗抗，静态电容及检查外观. (Apply flux and immerse in molten solder, up to the point of 3mm from the body,for 5 sec. (235℃±5℃). Wash the leadwire and check for soldering adhesion.)	满足各个特性相关参数值 Within standard mentioned in Initial Characteristics.