

Gas Discharge Tube

Features

- Small Size Design $\phi 5.5 \times 4.0\text{mm}$
- Voltage range: 75V-1000V
- Current Handling Capability: 5.0KA@8/20 μs
- Low Capacitance and insertion loss
- Fast Response and long service life
- Pb-free (RoHS compliant) package
- Moisture sensitivity level: Level 1



Application

- Communication equipment
- CATV equipment
- Test equipment
- Data lines
- Power supplies
- Telecom SLIC protection
- Broadband equipment
- ADSL equipment, including ADSL2+
- XDSL equipment
- Satellite and CATV equipment
- General telecom equipment

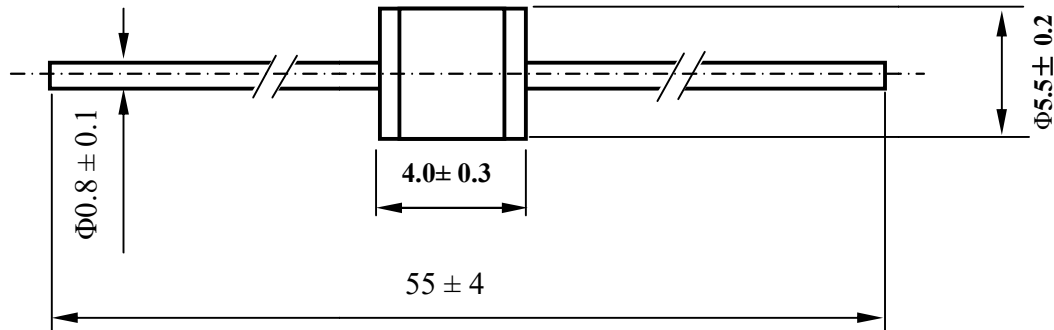
Electrical Characteristics

Catalog Number	DC Spark-Over voltage 100V/S	Impulse Spark-Over voltage 1KV/ μs	Nom impulse discharge current 8/20 $\pm 5\text{T}$ (60S)	Insulation Resistance(DC)	Capacitance 1MHZ<6V
KW5A2R75	75 $\pm 30\%$ V	650V	5.0KA	50V > 1G Ω	< 1.0pF
KW5A2R90	90 $\pm 30\%$ V	600V	5.0KA	50V > 1G Ω	< 1.0pF
KW5A2R150	150 $\pm 20\%$ V	600V	5.0KA	50V > 1G Ω	< 1.0pF
KW5A2R230	230 $\pm 20\%$ V	700V	5.0KA	100V > 1G Ω	< 1.0pF
KW5A2R300	300 $\pm 20\%$ V	900V	5.0KA	100V > 1G Ω	< 1.0pF
KW5A2R350	350 $\pm 20\%$ V	900V	5.0KA	100V > 1G Ω	< 1.0pF
KW5A2R400	400 $\pm 20\%$ V	1000V	5.0KA	100V > 1G Ω	< 1.0pF
KW5A2R470	470 $\pm 20\%$ V	1200V	5.0KA	100V > 1G Ω	< 1.0pF
KW5A2R600	600 $\pm 20\%$ V	1200V	5.0KA	250V > 1G Ω	< 1.0pF
KW5A2R800	800 $\pm 20\%$ V	1400V	5.0KA	250V > 1G Ω	< 1.0pF
KW5A2R1000	1000 $\pm 20\%$ V	1800V	5.0KA	500V > 1G Ω	< 1.0pF

Agency Approvals

Agency	Agency File Number
	E324754

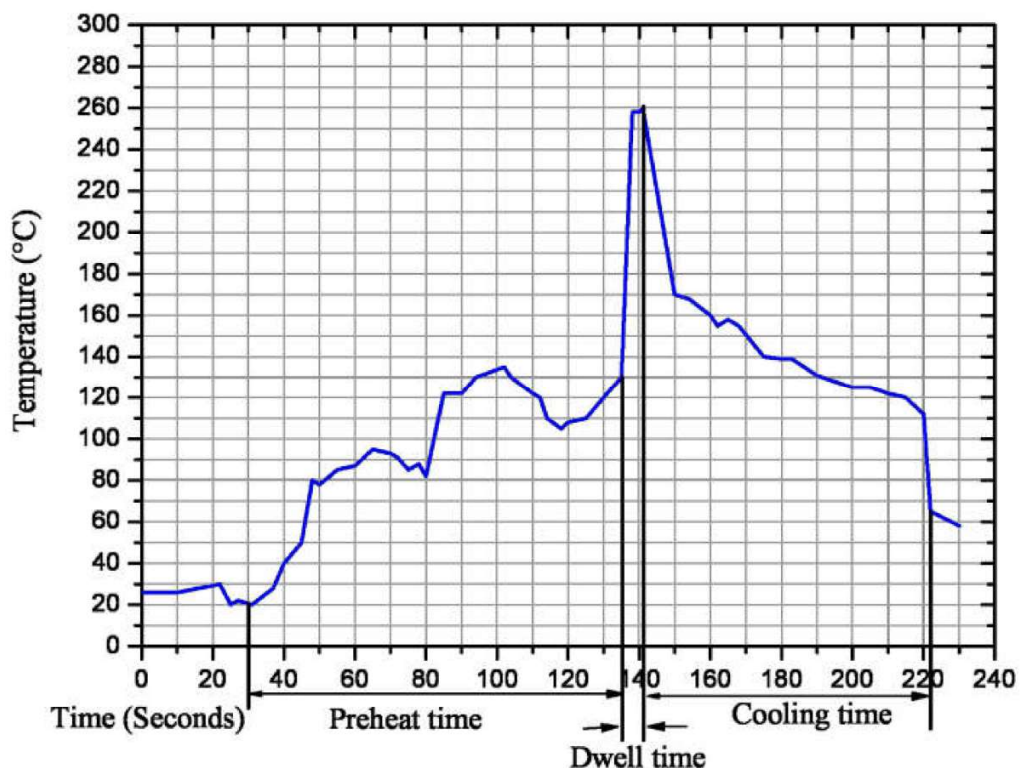
Package outline



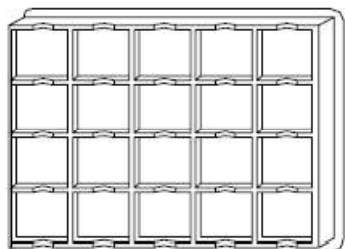
Soldering method

- Soldering Parameters - Hand Soldering
 - Solder Iron Temperature: $350^{\circ}\text{C} \pm 5^{\circ}\text{C}$
 - Heating Time: 5 seconds max.

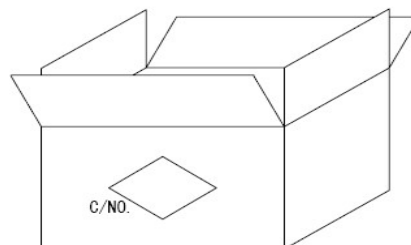
Soldering Parameters - Wave Soldering (Thru-Hole Devices)



Wave Parameter	Lead(Pb) free solder
Temperature Minimum:	100°C
Temperature Maximum:	150°C
Preheat Time:	60-180 seconds
Solder Pot Temperature:	260°C
Solder Dwell Time:	2-5 Seconds

Standard Packing

100PCS/PVC



5000PCS/BOX

Note: The relevant parameters of the specification are reference data, please contact the company for details, please provide the latest acknowledgment, the specification is subject to modification without notice.