

Gas Discharge Tube

Features

- Small Size Design $\phi 5.5 \times 6.0\text{mm}$
- Voltage range: 75V-3600V
- 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

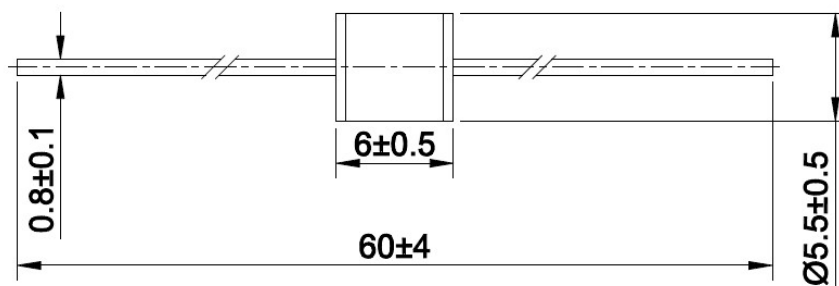
Electrical Characteristics

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
KW6A2R75	75 $\pm 30\%$ V	650V	5.0KA	50V >1G Ω	<1.0pF
KW6A2R90	90 $\pm 30\%$ V	600V	5.0KA	50V >1G Ω	<1.0pF
KW6A2R150	150 $\pm 30\%$ V	600V	5.0KA	50V >1G Ω	<1.0pF
KW6A2R230	230 $\pm 20\%$ V	700V	5.0KA	100V >1G Ω	<1.0pF
KW6A2R300	300 $\pm 20\%$ V	900V	5.0KA	100V >1G Ω	<1.0pF
KW6A2R400	400 $\pm 20\%$ V	1000V	5.0KA	100V >1G Ω	<1.0pF
KW6A2R470	470 $\pm 20\%$ V	1100V	5.0KA	100V >1G Ω	<1.0pF
KW6A2R600	600 $\pm 20\%$ V	1200V	5.0KA	250V >1G Ω	<1.0pF
KW6A2R800	800 $\pm 20\%$ V	1600V	5.0KA	250V >1G Ω	<1.0pF
KW6A2R1400	1400 $\pm 20\%$ V	2600V	3.0KA	500V >1G Ω	<1.0pF
KW6A2R2500	2500 $\pm 20\%$ V	4300V	3.0KA	1000V >1G Ω	<1.0pF
KW6A2R3000	3000 $\pm 20\%$ V	4500V	3.0KA	1000V >1G Ω	<1.0pF
KW6A2R3600	3600 $\pm 20\%$ V	5500V	3.0KA	1000V >1G Ω	<1.0pF

Agency Approvals

Agency	Agency File Number
	E324754

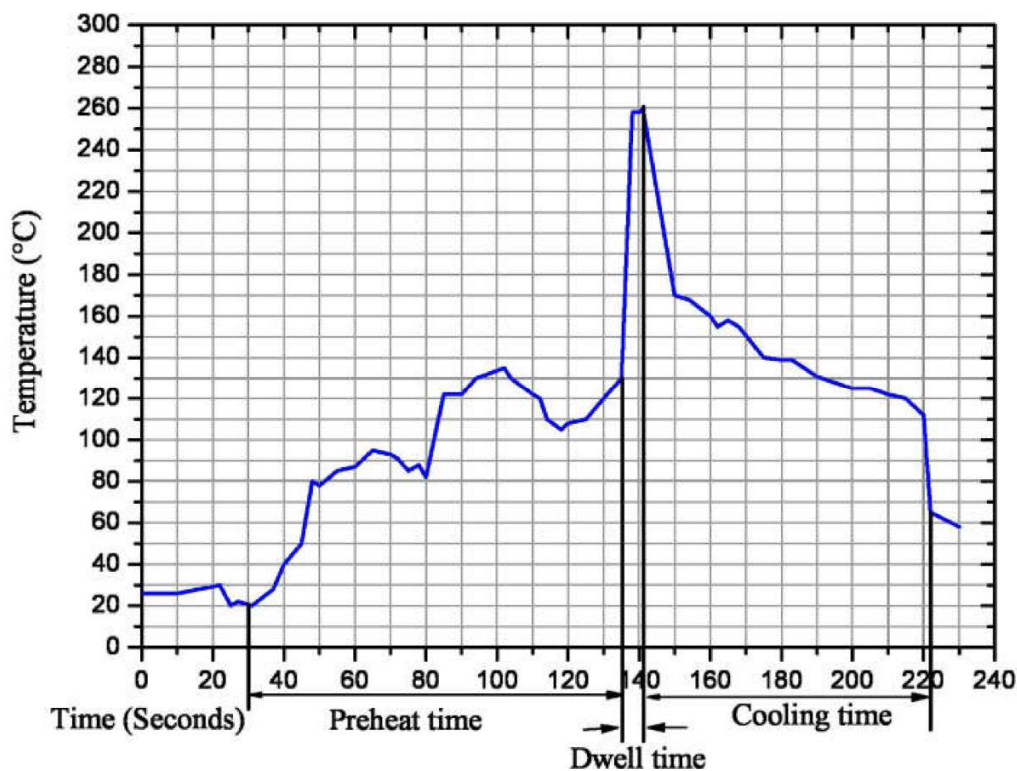
Package outline



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



GDT®

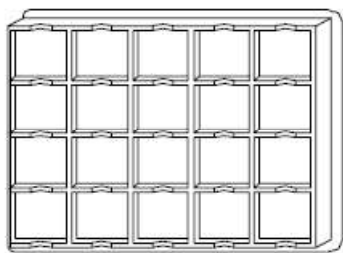
RoHS
COMPLIANT



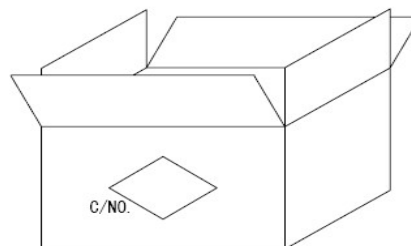
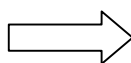
KW6A2Rxxxx

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.