

Gas Discharge Tube

Features

- Small Size Design $\phi 8.0 \times 10\text{mm}$
- Voltage range: 75V-1000V
- Current Handling Capability: 10KA@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

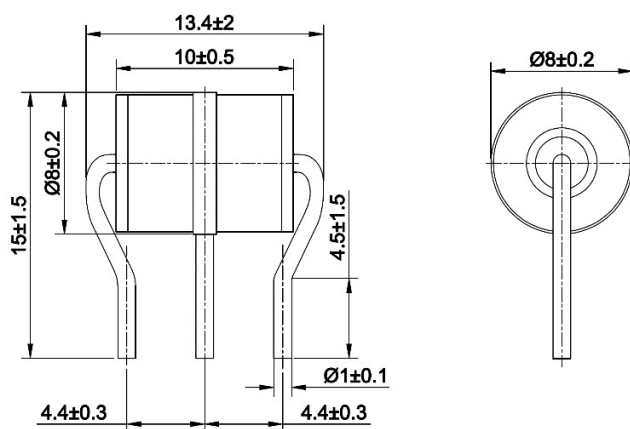
Electrical Characteristics

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
KW8M3R75	75 $\pm 30\%$ V	650V	10KA	50V >1G Ω	<1.0pF
KW8M3R90	90 $\pm 30\%$ V	600V	10KA	50V >1G Ω	<1.0pF
KW8M3R150	150 $\pm 20\%$ V	600V	10KA	50V >1G Ω	<1.0pF
KW8M3R230	230 $\pm 20\%$ V	700V	10KA	100V >1G Ω	<1.0pF
KW8M3R350	350 $\pm 20\%$ V	900V	10KA	100V >1G Ω	<1.0pF
KW8M3R420	420 $\pm 20\%$ V	1000V	10KA	100V >1G Ω	<1.0pF
KW8M3R470	470 $\pm 20\%$ V	1100V	10KA	100V >1G Ω	<1.0pF
KW8M3R600	600 $\pm 20\%$ V	1200V	10KA	250V >1G Ω	<1.0pF
KW8M3R1000	1000 $\pm 20\%$ V	1800V	10KA	500V >1G Ω	<1.0pF

Agency Approvals

Agency	Agency File Number
	E324754

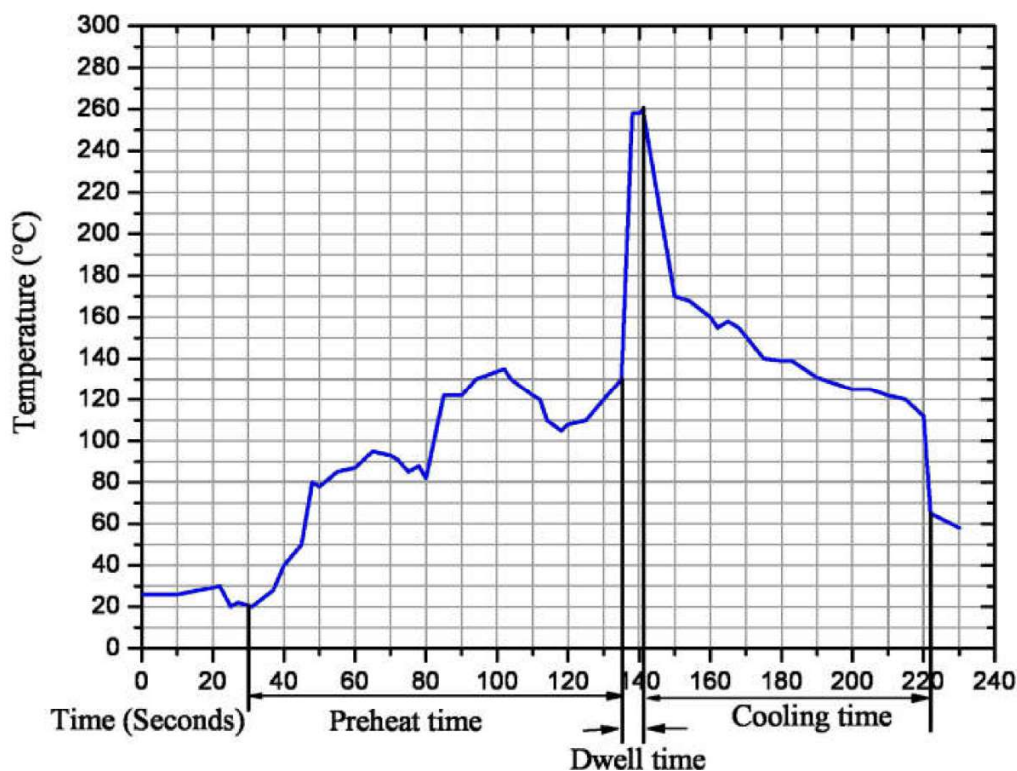
Package outline



Soldering method

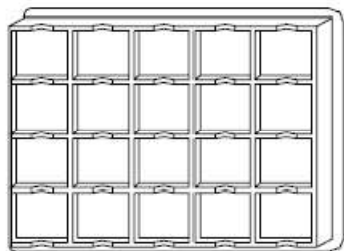
- Soldering Parameters - Hand Soldering
 - Solder Iron Temperature: 350° C +/- 5°C
 - Heating Time: 5 seconds max.

Soldering Parameters - Wave Soldering (Thru-Hole Devices)

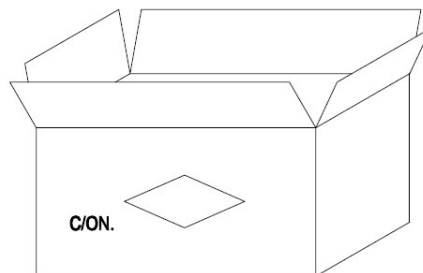


Wave Parameter	Lead(Pb) free solder
Temperature Minimum:	100°C
Temperature Maximum:	150°C
Preheat Time:	60-180 seconds
Solder Pot Temperature:	260°C
Solder Dwell Time:	2-5 Seconds

Standard Packing



100PCS/PVC



5000PCS/BOX



GDT®



KW8M3Rxxx

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.