

为您的产品保驾护航

PRODUCT DATASHEET

Gas Discharge Tubes

JTA25H/JTN25H

Description

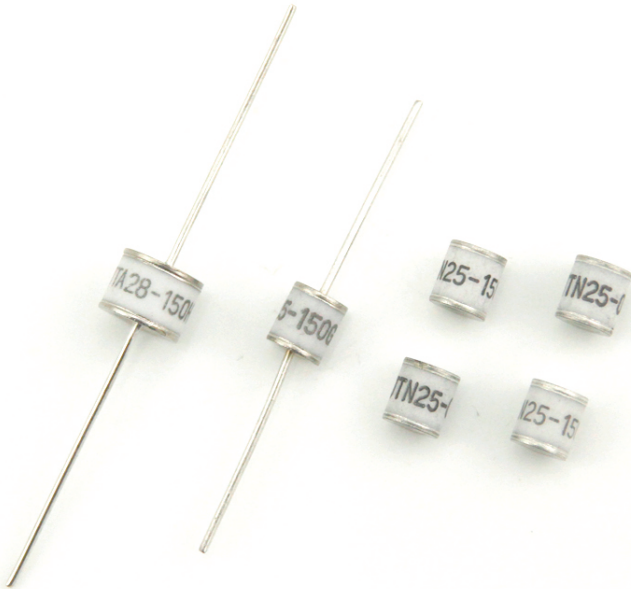
Gas discharge tubes (GDT) use noble gasses enclosed in ceramic tubes to provide an alternate circuit path for voltage spikes. The ceramic envelope and with nickel connectors allow for high loads and Ruilon offers products that function at 20KA, 40KA, 50KA, 60KA, 100KA & 150KA. The breakdown voltages of the devices have a wide range (up to 20% tolerance). Major applications are high frequency telecommunication lines, stations, security systems, HID and high quality Surge Protection Devices (SPD).

Features

- RoHS & HF compliant
- Size: 5.5mm*6.0mm
- DC Spark-over voltage: 75~800V
- Stable breakdown voltage.
- High insulation resistance.
- High holdover voltage.
- Large absorbing transient current capability.
- Low Capacitance
- Micro-Gap Design

Recommended Applications

- Cable Modem
- xDSL
- Set-Top Box
- Satellite and CATV equipment
- Power supplier
- Consumer electronics
- General telecom equipment



Product Identification

JT A 2 5 -075 G

G = Surge Rating

Blank=0.5kA, B=2kA, D=3kA,
G=5kA, H=10kA, K=20kA,
M=40kA, P=60kA

075 = DC Spark-over Voltage 75V

5 = 5mm Diameter

2 = 2 Electrode Device

A = Lead Configuration

A=Axial Leads

N=No Leads

S=Surface Mount

T=T-shaped Leads

JT = JDT Gas Discharge Tube

Gas Discharge Tubes - JTA25H/JTN25H Series

Part Number	DC Spark-over Voltage	Maximum Impulse Breakdown Voltage		Max. Impulse Discharge Current (8/20 μ s)		Impulse Life (10/1000 μ s)	Normal Alternating Discharge Current		DC Holdover Voltage	Minimum Insulation Resistance	Maximum Capacitance (1MHz)
	100V/S	100V/ μ S	1KV/ μ S	1 times	10 times	100 A	50Hz 1Sec	Single 9 Cycles			
	(V)	(V)	(V)	(KA)		Times	(A)				
JTA25-070H	70 \pm 20%	700	800	15	10	300	10	25	52	1	1
JTA25-075H	75 \pm 20%	700	800	15	10	300	10	25	52	1	1
JTA25-090H	90 \pm 20%	600	700	15	10	300	10	25	52	1	1
JTA25-150H	150 \pm 20%	600	700	15	10	300	10	25	52	1	1
JTA25-230H	230 \pm 20%	600	700	15	10	300	10	25	80	1	1
JTA25-250H	250 \pm 20%	600	700	15	10	300	10	25	80	1	1
JTA25-300H	300 \pm 20%	700	900	15	10	300	10	25	150	1	1
JTA25-350H	350 \pm 20%	700	900	15	10	300	10	25	150	1	1
JTA25-400H	400 \pm 20%	800	1000	15	10	300	10	25	150	1	1
JTA25-470H	470 \pm 20%	900	1100	15	10	300	10	25	150	1	1
JTA25-600H	600 \pm 20%	1300	1500	15	10	300	10	25	150	1	1
JTA25-800H	800 \pm 20%	1500	1700	15	10	300	10	25	150	1	1
JTN25-070H	70 \pm 20%	700	800	15	10	300	10	25	52	1	1
JTN25-075H	75 \pm 20%	700	800	15	10	300	10	25	52	1	1
JTN25-090H	90 \pm 20%	600	700	15	10	300	10	25	52	1	1
JTN25-150H	150 \pm 20%	600	700	15	10	300	10	25	52	1	1
JTN25-230H	230 \pm 20%	600	700	15	10	300	10	25	80	1	1
JTN25-250H	250 \pm 20%	600	700	15	10	300	10	25	80	1	1
JTN25-300H	300 \pm 20%	700	900	15	10	300	10	25	150	1	1
JTN25-350H	350 \pm 20%	700	900	15	10	300	10	25	150	1	1
JTN25-400H	400 \pm 20%	800	1000	15	10	300	10	25	150	1	1
JTN25-470H	470 \pm 20%	900	1100	15	10	300	10	25	150	1	1
JTN25-600H	600 \pm 20%	1300	1500	15	10	300	10	25	150	1	1
JTN25-800H	800 \pm 20%	1500	1700	15	10	300	10	25	150	1	1

DC Spark-over Voltage	DC Measuring Voltage
70-90V	50V
150-400V	100V
470-800V	250V

Soldering Parameters

Reflow Condition

Pb-Free Assembly

Preheat

-Temperature Min($T_{s\ min}$)	150°C
-Temperature Max($T_{s\ max}$)	200°C
-Time($T_{s\ min}$ to $T_{s\ max}$)	60~180 seconds

Average Ramp-Up Rate

(Liquidus Temp(T_L) to peak) 3°C/second max

$T_{s(max)}$ to T_L - Ramp-up Rate 5°C/second max

Reflow:

- Temperature (T_L) (Liquidus)	217°C
- Time (min to max) (t_s)	60~150 seconds

Peak Temperature(T_p) 260^{+0/-5} °C

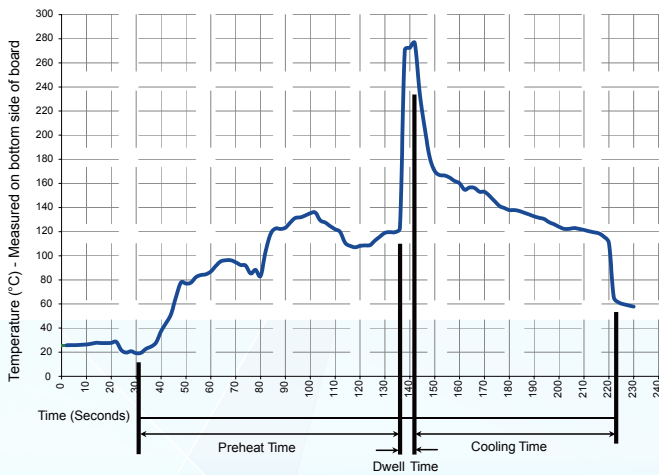
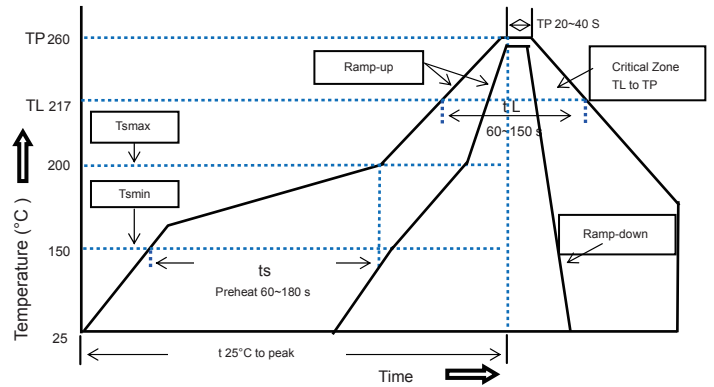
Time within 5°C of actual peak 10~30 seconds

Temperature (t_p)

Ramp-Down Rate 6°C/second max

Time 25°C to Peak Temperature 8 minutes max

Do not exceed 260°C



Soldering Parameters

Recommended Process Parameters:

Wave Parameter

Lead-Free Recommendation

Preheat:

(Depends on Flux Activation Temperature) (Typical Industry Recommendation)

Temperature Minimum: 100° C

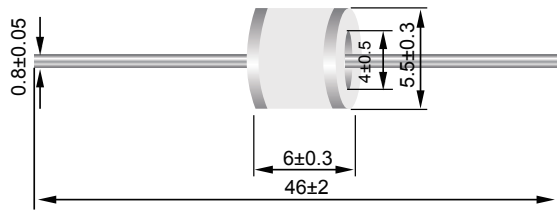
Temperature Maximum: 150° C

Preheat Time: 60-180 seconds

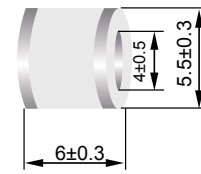
Solder Pot Temperature: 260° C Maximum

Solder Dwell Time: 2-5 seconds

Dimension unit:(mm)



(A)Series

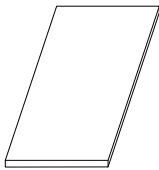


(N)Series

Packaging Taping

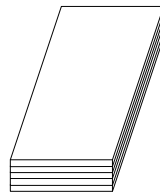
For " T " Type Axial Lead Items

Plastic Tray
(265×150×7mm)



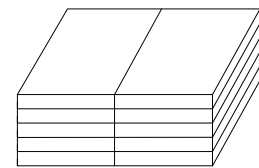
100 PCS/ Plastic Tray

Inner Box
(280×160×50mm)



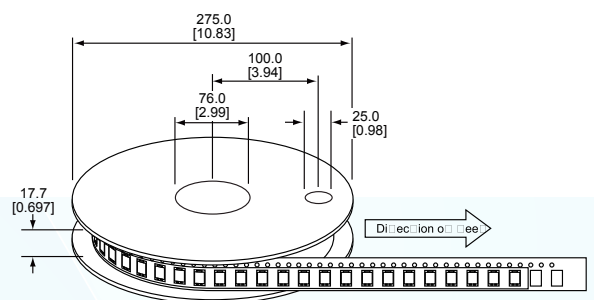
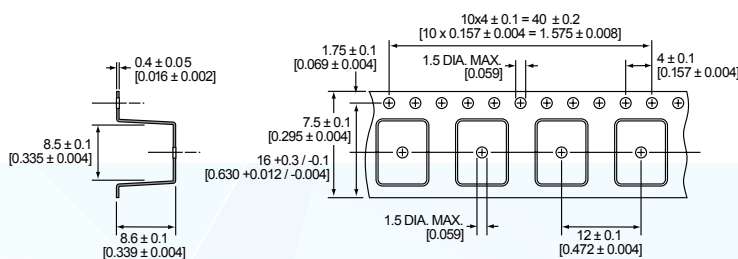
500 PCS/ Box

Outside Box
(310×280×275mm)



5,000 PCS/ Carton

Core and ' S ' Type Items



Warehouse Storage Conditions of Products

· Storage Conditions:

1. Storage Temperature: -10°C~+40°C
2. Relative Humidity: ≤75%RH
3. Keep away from corrosive atmosphere and sunlight.

· Period of Storage: 1 year