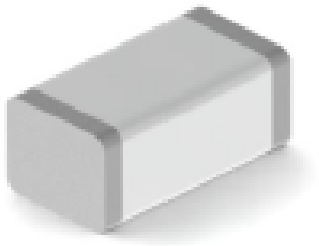
WG4532-091P

18-Mar-2023

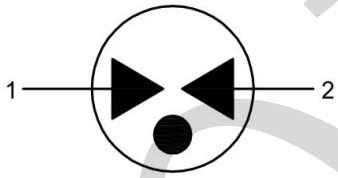
Gas Discharge Tube



Features

- Features non radioactive
- SMD type
- Low capacitance (≤1.0pF)
- High insulation resistance
- Size 4532
- Storage and operating temperature: -40°C ~ +85°C
- Material: RoHS compliant

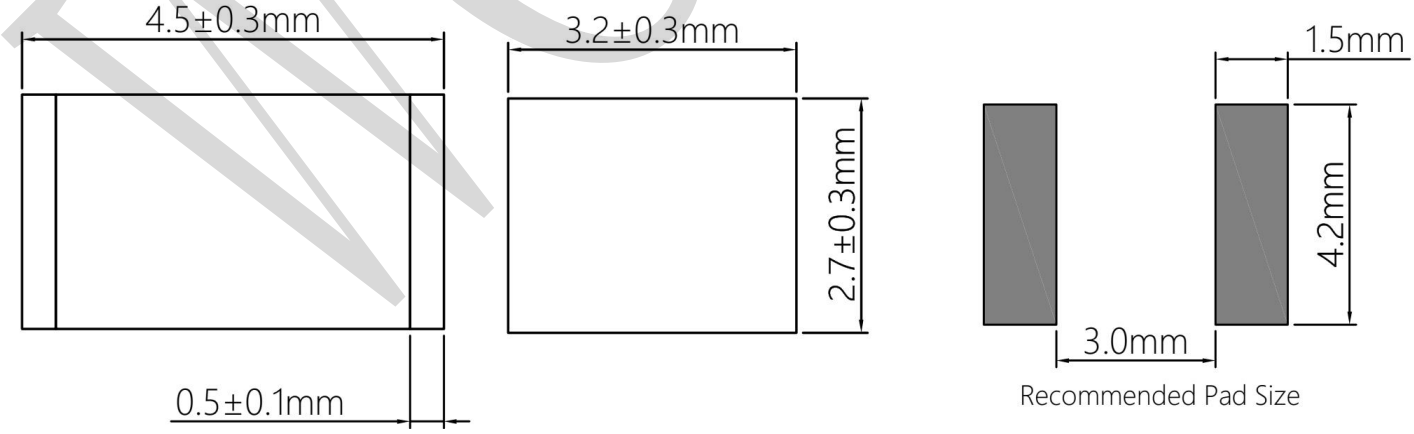
Schematic



Applications

- Communication industry
- Video surveillance
- Outdoor lighting igniter
- Signal line protection
- Signal line protection
- Civil circuit appliances

Dimensions (unit: mm)



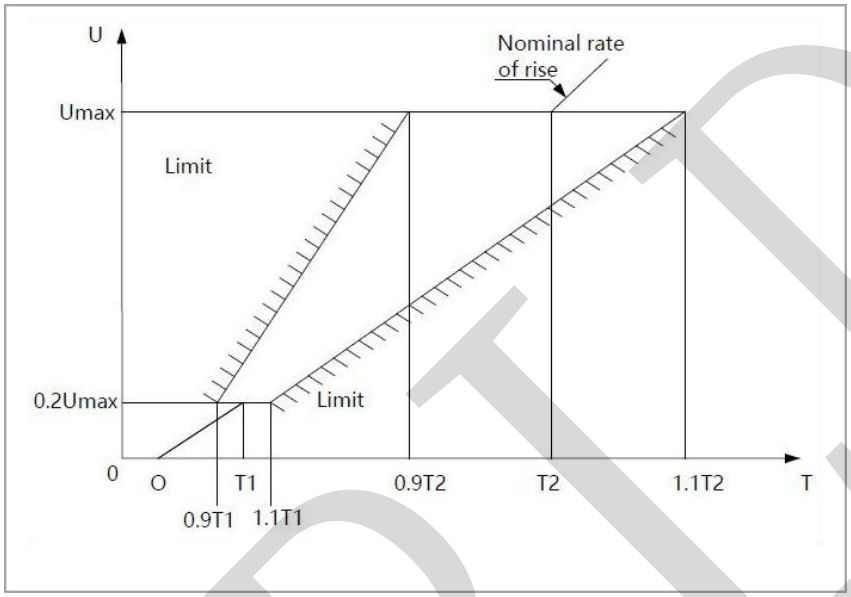
Electrical Characteristics

Part Number	DC Spark-over Voltage	Max. Impulse Breakdown Voltage	Discharge Current (8/20μs)	AC Discharge Current	Impulse Life (10/1000μs)	Minimum Insulation Resistance		Max. Capacitance 1MHz
	100V/S	1KV/us	10 times	50Hz,1S	100A			
	V	V	KA	A	Times	Test Voltage DC(V)	(GΩ)	(pF)
WG4532-201P	90±20%	600	2.0	1.0	100	50	1.0	1.0

Notes:

1). At delivery AQL 0.65 level Ⅱ, DIN ISO 2859
2). DC spark-over voltage ±40% after load
3). Marking：without

DC Breakdown Voltage



8/20μs, Test wave

T1=1.25T=8μs±20%

T2=20μs±20%

10/700μs, Test wave

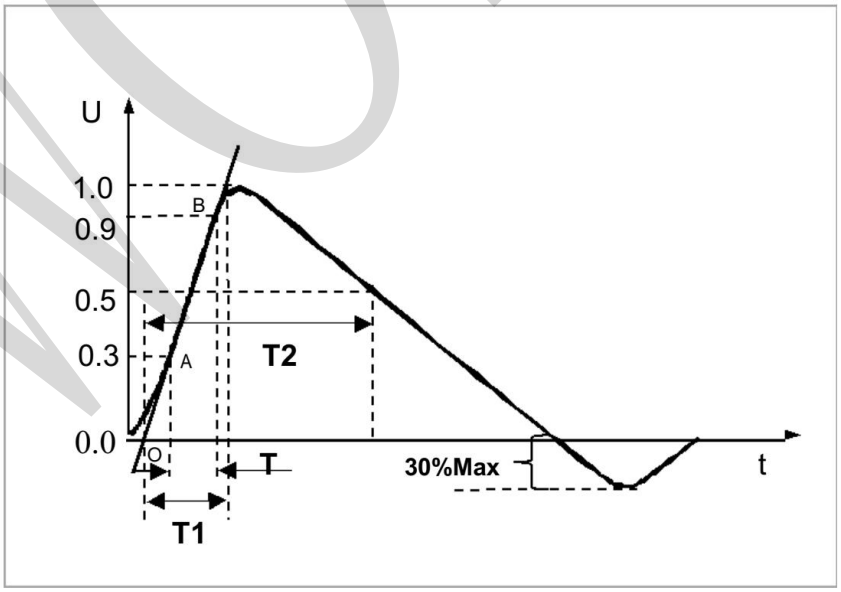
T1=1.67T=10μs±20%

T2=700μs±20%

10/1000μs, Test wave

T1=1.67T=10μs±20%

T2=1000μs±20%



Recommended Soldering Conditions

■ Recommended Conditions

Profile Feature	Pb-Free Assembly
Average ramp-up rate (T_L to T_P)	3°C/second max.
Preheat -Temperature Min (T_S min) -Temperature Max (T_S max) -Time (min to max) (t_s)	 150°C 200°C 60-180 seconds
T_S max to T_L -Ramp-up Rate	 3°C/second max.
Time maintained above: -Temperature (T_L) -Time (t_L)	 217°C 60-150 seconds
Peak Temperature (T_P)	260°C
Time within 5°C of actual Peak Temperature (t_P)	20-40 seconds
Ramp-down Rate	6°C/second max.
Time 25°C to Peak Temperature	8 minutes max.

■ Reflow Soldering