

## Gas Discharge Tube - PG25E-L Series

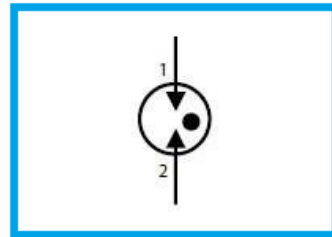
### Features

- DC Spark-over voltage: 75~600V
- Low Capacitance
- Micro-Gap Design
- Stable breakdown voltage
- RoHS & HF compliant
- High holdover voltage
- High insulation resistance
- Large absorbing transient current capability.



### Applications

- Communication equipment
- Test equipment
- Data lines
- CATV equipment
- Power Supplies
- Telecom SLIC protection
- Telecommunications

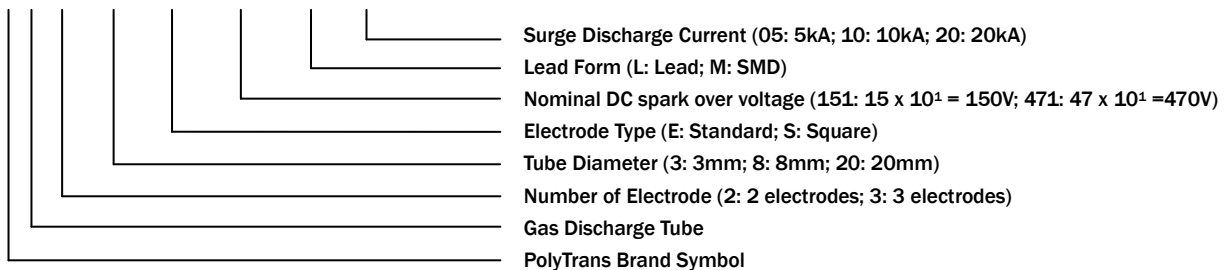


### General Characteristics Definition

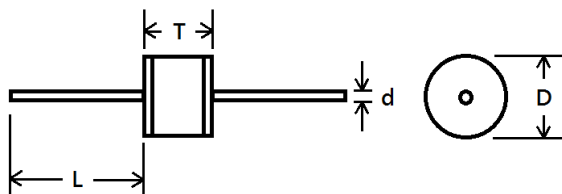
- Operating temperature: -40 ~ 85°C
- Storage temperature: -40 ~ 85°C

### Part Number Code

P G □ □ □ □ □ □ □ □ □ □



### Physical Dimensions



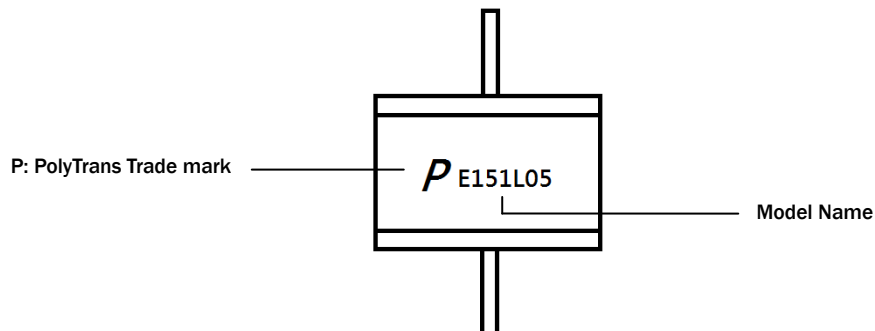
Symbol	Dimension (mm)
D	5.0±0.5
T	5.0±0.5
L	≥ 20.0
d	0.8±0.1

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### Electrical Characteristics

Part Number	DC Spark-over Voltage @ 100V/S	Impulse Spark-over Voltage @ 1kV/ $\mu$ S	Impulse Discharge Current	AC Discharge Current	Minimum Insulation Resistance	Maximum Capacitance @ 1.0 MHz	UL Certificate (E474915)
	(V)		8/20 $\mu$ s 10 Hits	1s/5 Times			
	(V)		(kA)	(A)			
PG25E075L05	75 $\pm$ 20%	$\leq$ 600	5	5	1	1.0	✓
PG25E091L05	90 $\pm$ 20%	$\leq$ 600	5	5	1	1.0	✓
PG25E151L05	150 $\pm$ 20%	$\leq$ 600	5	5	1	1.0	✓
PG25E201L05	200 $\pm$ 20%	$\leq$ 700	5	5	1	1.0	✓
PG25E231L05	230 $\pm$ 20%	$\leq$ 700	5	5	1	1.0	✓
PG25E301L05	300 $\pm$ 20%	$\leq$ 900	5	5	1	1.0	✓
PG25E351L05	350 $\pm$ 20%	$\leq$ 1000	5	5	1	1.0	✓
PG25E401L05	400 $\pm$ 20%	$\leq$ 1000	5	5	1	1.0	✓
PG25E471L05	470 $\pm$ 20%	$\leq$ 1200	5	5	1	1.0	✓
PG25E601L05	600 $\pm$ 20%	$\leq$ 1400	5	5	1	1.0	✓

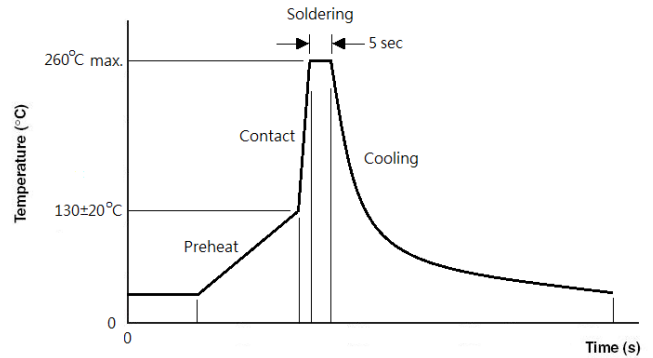
### Marking Definitions



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### Lead Free Wave Soldering Recommendations

Preheat	
- Temperature Min (T <sub>min</sub> )	110°C
- Temperature Max (T <sub>max</sub> )	150°C
- Time (T <sub>min</sub> to T <sub>max</sub> )	30-90 seconds
- Average Ramp-Up Rate	1~3°C/second
Peak Temperature	260°C
Max Time at Peak Temperature	5 seconds
Ramp-Down Rate	5 °C /second max.



Note: If the wave soldering temperatures exceed the recommended profile, devices may not meet the performance requirements.

### Packaging Information

Part Number	Quantity	
	EA/Tray	EA/Carton
PG25E-L Series	100	5000