

Description

Prisemi GDT's are designed for a high degree of surge protection at a low cost. It operates on the gas physical principle of the highly effective arc discharge. The PG2E5SS Series is used for protecting equipment for which higher voltage limits and holdover voltages are necessary. Com-gaps function as switches which dissipate a mini-mum amount of energy and therefore handle currents that far surpass other types of transient voltage protection.

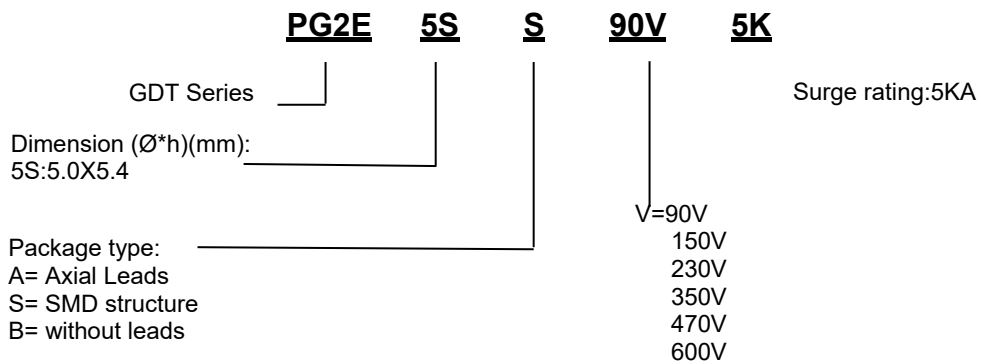
Features

- Small size
- Very fast response time
- Suitable for direct strikes
- Stable performance over life
- Very low capacitance
- High insulation resistance

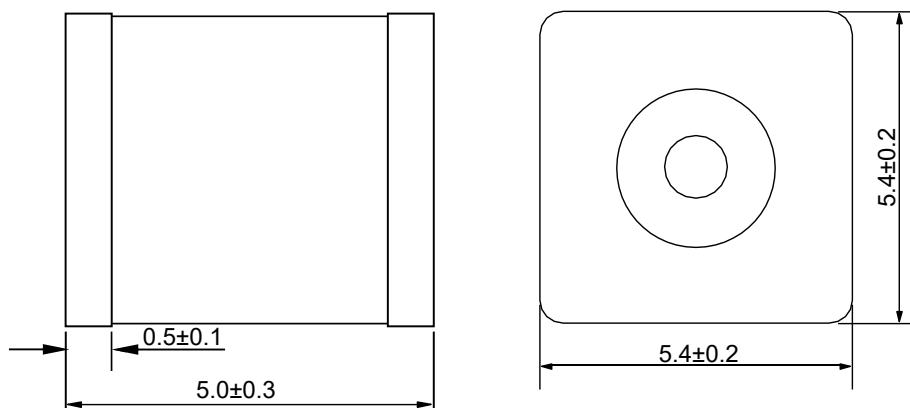
Application

- Communication lines
- CATV equipment
- Test equipment
- Data lines, power supply
- Base station
- Medical electronics

Explanation of Part Number



Dimensional drawing(5.0mmX5.4mmX5.4mm)



Unit:mm

PG2E5SSXXV5K Series –Performance Specification

Model	DC Spark Over Voltage (V)	Impulse Spark Over Voltage (V)	Impulse Discharge Current (KA)	AC Discharge Current (A)	Capacitance (Pf)	Insulation Resistance	
	100V/S	1KV/us	@8/20us 10hits	50HZ / 1s 5hits	@1MHZ	GΩ	DC(V)
PG2E5SS75V5K	75	≤600	5	5	<1.5	≥1	25
PG2E5SS90V5K	90	≤600	5	5	<1.5	≥1	50
PG2E5SS150V5K	150	≤700	5	5	<1.0	≥1	50
PG2E5SS230V5K	230	≤800	5	5	<1.0	≥1	100
PG2E5SS350V5K	350	≤800	5	5	<1.0	≥1	100
PG2E5SS470V5K	470	≤900	5	5	<1.0	≥1	250
PG2E5SS600V5K	600	≤1200	5	5	<1.0	≥1	250

Parameter	Value	Unit
Operating Junction Temperature Range	-40~85	°C

Performance characteristics

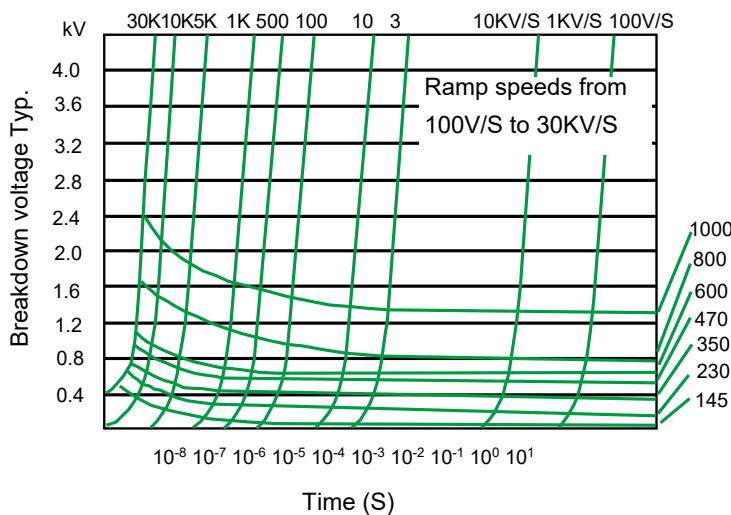


Fig 1.Pulse Waveform

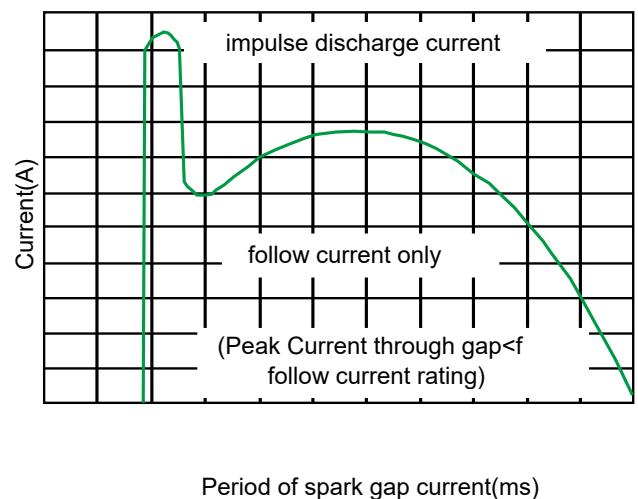



Fig 2.Power Derating Curve


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