Prisemi®

PG3E5SS Series
Gas Discharge Tube

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 PG3E5SS 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.

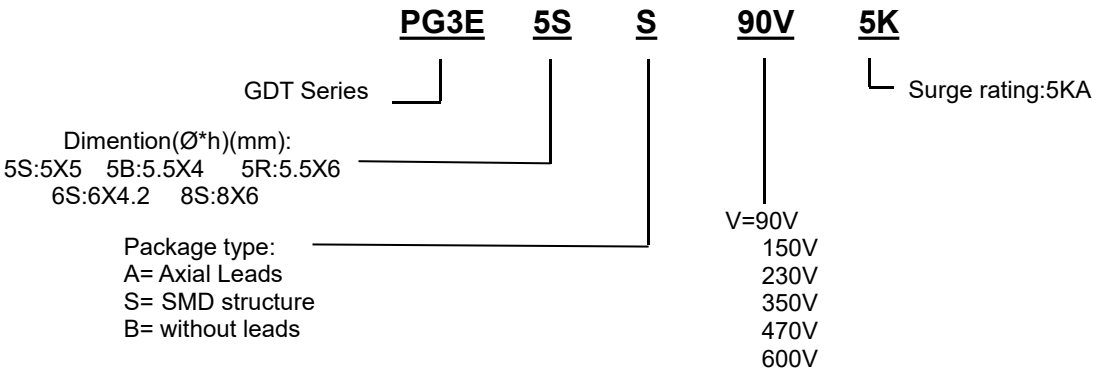
Features

- 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



PG3E5SSXXV5K 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/μs	@8/20μs 10Hits	50HZ/1s 5hits	@ 1MHz	GΩ	DC(V)
PG3E5SS90V5K	90	≤600	5	5	< 1.5	≥1	25
PG3E5SS150V5K	150	≤600	5	5	< 1.5	≥1	50
PG3E5SS230V5K	230	≤700	5	5	< 1.0	≥1	50
PG3E5SS350V5K	350	≤800	5	5	< 1.0	≥1	100
PG3E5SS420V5K	420	≤800	5	5	< 1.0	≥1	100
PG3E5SS470V5K	470	≤900	5	5	< 1.0	≥1	250
PG3E5SS600V5K	600	≤1200	5	5	< 1.0	≥1	250

Performance characteristics

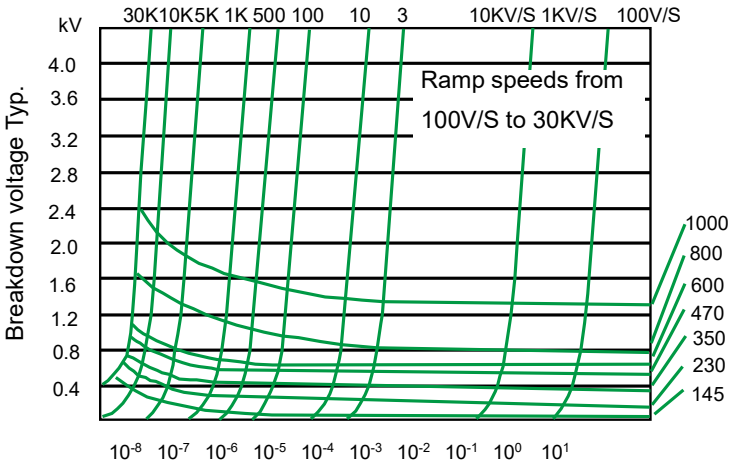


Fig 1.Pulse Waveform

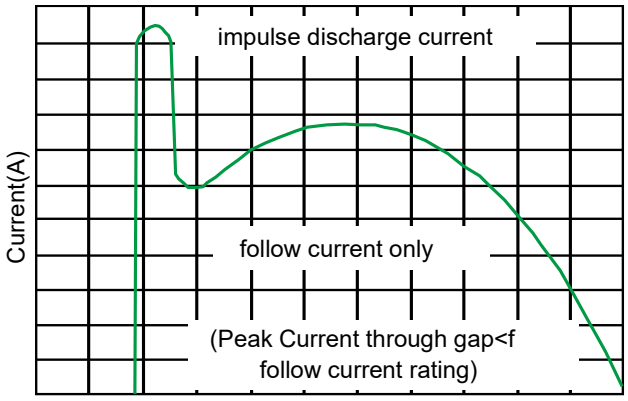
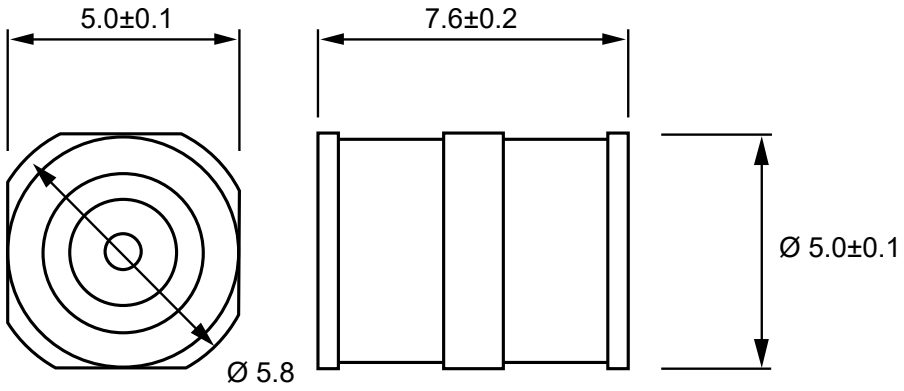
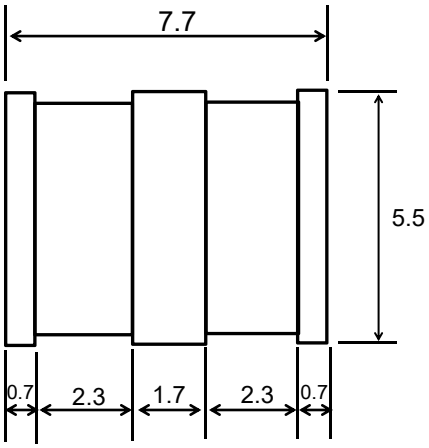


Fig 2.Power Derating Curve

Dimensional drawing(5mmX7.6mm)



Package ： SMD（**5SS**）



Suggested PCB Layout

Unit:mm

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