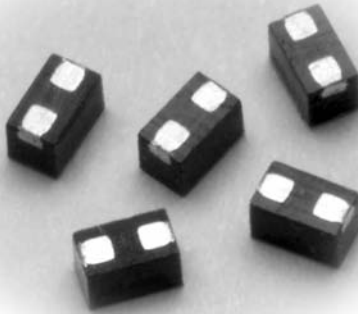


circuit protection



features

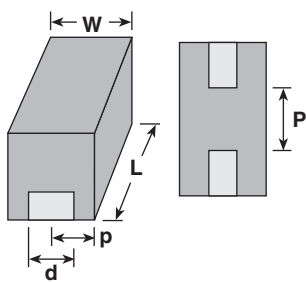
- (16kV) IEC 61000-4-2 rating
- Surface mount package
- High component density
- Products with lead-free terminations meet EU RoHS and China RoHS requirements

applications

- ESD suppression
- Transient suppression

dimensions and construction

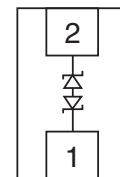
1E, 1J



Package Code	Total Power	Pins	Dimensions inches (mm)					
			L ±0.2	W ±0.2	p ±0.1	P ±0.1	Pkg Ht ±0.2	d ±0.05
1E	100mw	2	.043 (1.1)	.030 (0.75)	.015 (0.38)	.013 (0.33)	.030 (0.75)	.014 (0.35)
1J	125mw	2	.063 (1.6)	.031 (0.8)	.016 (0.4)	.020 (0.5)	.030 (0.75)	.024 (0.6)

circuit schematic

PGD (MLP)



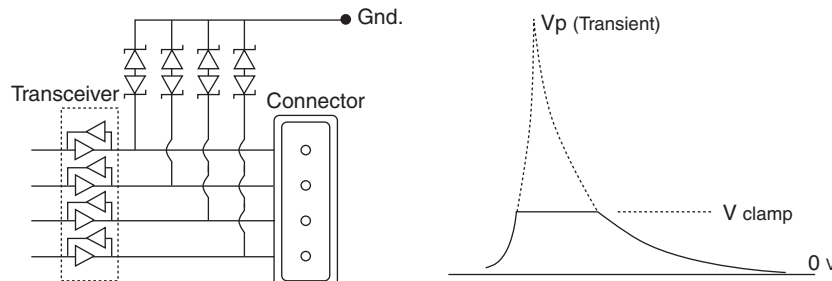
ordering information

New Part #	PGD	1E	T	TE	5V0
	Type	Package Code	Lead Plating	Packaging	Working Voltage
		1E 1J	T: Sn	TE: 7" embossed plastic tape	5V0

applications and ratings

Part Designation	Working Voltage	Diode Breakdown Voltage $I_F = 1 \text{ ma (Min.)}$	Leakage Current (Typ.)	Capacitance @ 1 Mhz	Channel Clamp Voltage 8kV H.B.M.	ESD Voltage Capability IEC 61000-4-2	Peak Pulse Current IPP 8/20us
PGD	5V	5.1V	±1µA@5V	15pF	±7V	16kV	5.1A

application schematic



For further information on packaging, please refer to Appendix A.