

unidirectional esd / transient suppressor



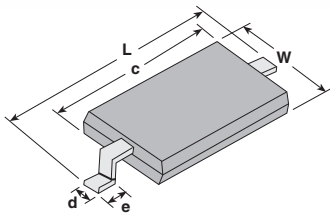
features

- (16kV) IEC 61000-4-2 rating
- SOD-323 package
- Color band denotes cathode end
- Products with lead-free terminations meet EU RoHS and China RoHS requirements

applications

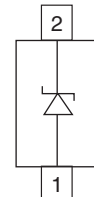
- ESD suppression
- Transient suppression
- Automotive CAN bus

dimensions and construction



Package Code	Pack. Power	Pins	Dimensions inches (mm)					
			L ±0.2	W ±0.2	c ±0.2	e ±0.1	Pkg Ht ±0.05	d ±0.05
323	100mw	2	.098 (2.5)	.049 (1.25)	.067 (1.7)	.012 (0.3)	.039 (1.0)	.014 (0.35)

circuit schematic



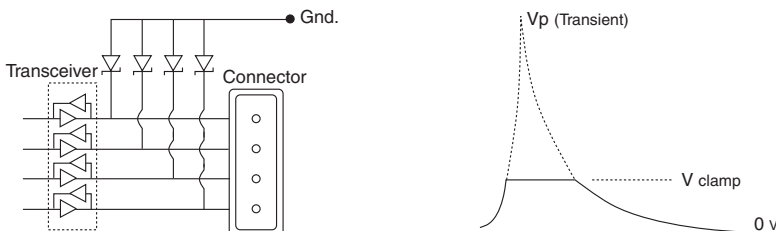
ordering information

New Part #	PGE	323	T	TE	36V
	Type	Package Code	Lead Plating	Packaging	Working Voltage
			T: Sn	TE: 7" embossed plastic tape	5V0 12V 24V 36V

applications and ratings

Part Designation	Working Voltage	Diode Breakdown Voltage $I_F = 1 \text{ ma (Min)}$	Leakage Current (Max)	Capacitance @ 1 Mhz (Typ)	Peak ESD Voltage Capability IEC 61000-4-2	Pulse Current 8/20us (Repetitive)	Operating Temperature
PGE	36V	39	1.0uA@36V	25pF	16kV	1A	-55°C to +125°C
	24V	27	1.0uA@24V	30pF	16kV	2.2A	
	12V	15	1.0uA@12V	50pF	16kV	2.5A	
	5V0	6.0	2.0uA@5V	80pF	16kV	5.0A	

application schematic



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

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

2/24/08