



Product Overview

1SMA5.0A: Zener Transient Voltage Suppressor, 5.0 V, 400 Watt

For complete documentation, see the data sheet

Product Description

The SMA series is designed to protect voltage sensitive components from high voltage, high energy transients. They have excellent clamping capability, high surge capability, low zener impedance and fast response time. The SMA series is supplied in ON Semiconductor's exclusive, cost-effective, highly reliable SURMETIC[®] package and is ideally suited for use in communication systems, automotive, numerical controls, process controls, medical equipment, business machines, power supplies and many other industrial/consumer applications.

Features

- Reverse Stand-Off Voltage Range: 5.0-78 V
- Peak Power -- 400 Watts @ 1.0 ms
- ESD Rating of Class 3 (>16 kV) per Human Body Model
- Pico Seconds Response Time (0 V to BV)
- Flat Handling Surface for Accurate Placement
- Package Design for Top Side or Bottom Circuit Board Mounting
- Available in Tape and Reel
- Low Profile Package
- Case: Void-free, transfer-molded plastic
- FINISH: All external surfaces are corrosion resistant with readily solderable leads

Part Electrical Specifications

Product	Compliance	Status	Dir	V _(BR) Typ (V)	P _{PK} Max (W)	V _{RWM} Max (V)	I _R Max (uA)	V _C Max (V)	Package Type
1SMA5.0AT3G	AEC Qualified Pb-free Halide free	Active	Unidirectional	6.7	400	5	400	9.2	SMA-2
SZ1SMA5.0AT3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Unidirectional	6.7	400	5	400	9.2	SMA-2

For more information please contact your local sales support at www.onsemi.com

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