



Product Overview

SMF5.0A: Transient Voltage Suppressors, 200 Watt, 5.0 V, Unidirectional

For complete documentation, see the [data sheet](#)

Product Description

The 1SMF5.0A is designed to protect voltage sensitive components from high voltage, high energy transients. Excellent clamping capability, high surge capability, low zener impedance and fast response time. Because of its small size, it is ideal for use in cellular phones, portable devices, business machines, power supplies and many other industrial/consumer applications.

Features

- Stand-off Voltage: 5 - 58 volts
- Peak Power - 200 Watts @ 1 ms (SMF5.0A - SMF58A)
- Low Leakage
- Response Time is Typically < 1 ns
- ESD Rating of Class 3 (>16 kV) Human Body Model
- IEC61000-4-2 Level 4 ESD Protection
- IEC61000-4-4 40 A ESD Protection
- Low Profile - Maximum Height of 1.0 mm
- Small Footprint
- Cathode Indicated by Polarity Band

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
SMF5.0AT1G	AEC Qualified Pb-free Halide free	Active	Unidirectional	6.7	200	5	400	9.2	SOD123-2
SZSMF5.0AT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Unidirectional	6.7	200	5	400	9.2	SOD123-2

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

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