



Product Overview

SL12: Transient Voltage Suppressor Low Capacitance, 12 V

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

Product Description

This new family of TVS offers transient overvoltage protection with significantly reduced capacitance. The capacitance is lowered by integrating a compensating diode in series. This integrated solution offers ESD protection for high speed interfaces such as communication systems, computers, and computer peripherals.

Features

- TVS Diode in Series with a Compensating Diode Offers < 5 pF Capacitance
- ESD Protection Meeting IEC 61000-4-2, 4-4, 4-5
- Peak Power Rating of 300 Watts, 8 x 20 μ s
- Bi-Direction Protection Can Be Achieved By Using Two Devices
- Flammability Rating UL 94V-0
- Mechanical Characteristics:
- CASE: Void-free, transfer-molded, thermosetting plastic case
- FINISH: Corrosion resistant finish, easily solderable
- MAXIMUM CASE TEMPERATURE FOR SOLDERING PURPOSES: 260°C for 10 Seconds
- Package designed for optimal automated board assembly

Applications

- Networking and Telecommunications

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
SL12T1G	AEC Qualified Pb-free Halide free	Active	Unidirectional	-	300	12	1	24	SOT-23-3

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

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