



Product Overview

SL05: Transient Voltage Suppressor Low Capacitance, 5.0 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	Interface	Number of Lines	Direction	C Max (pF)	V _(BR) Min (V)	V _{RWM} Max (V)	I _R Max (μA)	P _{PK} Max (W)	Package Type
SL05T1G	AEC Qualified Pb-free Halide free	Active	General I/O	1	Unidirectional	5	6	5	20	300	SOT-23-3
SZSL05T1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	General I/O	1	Unidirectional	5	6	5	20	300	SOT-23-3

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

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