



Product Overview

SM05: ESD Protection Dual Common Anode Diodes 5.0 V

For complete documentation, see the data sheet

Product Description

These dual monolithic silicon zener diodes are designed for applications requiring transient overvoltage protection capability. They are intended for use in voltage and ESD sensitive equipment such as computers, printers, business machines, communication systems, medical equipment and other applications. Their dual junction common anode design protects two separate lines using only one package. These devices are ideal for situations where board space is at a premium.

Features

- SOT-23 Package Allows Either Two Separate Unidirectional Configurations or a Single Bidirectional Configuration
- Working Peak Reverse Voltage 5 V
- Standard Zener Breakdown Voltage Range 6.2 V to 7.3 V
- Peak Power – 300 Watt (8 X 20 μ s)
- Low Leakage
- Flammability Rating UL 94V-O

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

Small package size for high density applications. Available in 8 mm Tape and Reel. Use the Device Number to order the 7 inch/3,000 unit reel. Replace the "T1" with "T3" in the Device Number to order the 13 inch/10,000 unit reel.

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
SM05T1G	AEC Qualified	Active	Unidirectional	6.8	300	5	1	9.8	SOT-23-3
	Pb-free								
	Halide free								
SZSM05T1G	AEC Qualified	Active	Unidirectional	6.8	300	5	1	9.8	SOT-23-3
	PPAP Capable								
	Pb-free								
	Halide free								

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

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