

Product Overview

SM05: ESD Protection Dual Common Anode Diodes 5.0 V

For complete documentation, see the data sheet.

These dual monolithic silicon diodes are designed for applications requiring 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	Pricing (\$/Unit)	Compliance	Status	Interface	Number of Lines	Direction	C Max (pF)	V _(BR) Min (V)	V _{RWM} Max (V)	I _R Max (μ A)	P _{PK} Max (W)	Package Type
SM05T1G	0.0767	Pb-free Halide free non AEC-Q and PPAP	Active	General I/O	2	Unidirectional	225	6.2	5	10	300	SOT-23-3
SZSM05T1G	0.1343	AEC Qualified PPAP Capable Pb-free Halide free	Active	General I/O	2	Unidirectional	225	6.2	5	10	300	SOT-23-3

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

Created on: 1/27/2021