



Product Overview

MURS105: Power Rectifier, Ultra-Fast Recovery, 1 A, 50 V

For complete documentation, see the data sheet

Product Description

The Ultrafast Rectifier is ideally suited for high voltage, high frequency rectification or as free wheeling and protection diodes in surface mount applications, where compact size and weight are critical to the system.

Features

- Small Compact Surface Mountable Package with J-Bend Leads
- Rectangular Package for Automated Handling
- High Temperature Glass Passivated Junction
- Low Forward Voltage Drop (0.71 to 1.05 Volts Max @ 1.0 A, $T_J = 150^\circ\text{C}$)

Mechanical Characteristics:

- Case: Epoxy, Molded
- Weight: 95 mg (approximately)
- Finish: All External Surfaces Corrosion Resistant and Terminal Leads are Readily Solderable
- Lead and Mounting Surface Temperature for Soldering Purposes: 260°C Max. for 10 Seconds
- Polarity: Polarity Band Indicates Cathode Lead
- These are PB-Free Packages

Part Electrical Specifications

Product	Compliance	Status	Type	$I_{Q(\text{rec})}$ Max (A)	t_{rr} Max (ns)	V_{RRM} Max (V)	V_{FM} Max (V)	I_{FSM} Max (A)	I_R Max (mA)	Package Type
MURS105T3G	AEC Qualified Pb-free Halide free	Active	Ultrafast	1	35	50	0.875	40	0.002	SMB-2
SURS8105T3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Ultrafast	1	35	50	0.875	40	0.002	SMB-2

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

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