



Product Overview

MBRS3200: Schottky Power Rectifier, Surface Mount, 3.0 A, 200 V

For complete documentation, see the data sheet

Product Description

The Schottky Rectifier employs the Schottky Barrier principle in a large area metal-to-silicon power diode. The Schottky Rectifier's state-of-the-art geometry features epitaxial construction with oxide passivation and metal overlay contact. It is ideally suited for low voltage, high frequency rectification, or as free wheeling and polarity 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
- Highly Stable Oxide Passivated Junction
- Very High Blocking Voltage ? 200 V
- 175C Operating Junction Temperature
- Guardring for Stress Protection

Mechanical Characteristics:

- Case: Epoxy, Molded, Epoxy Meets UL94, VO
- Weight: 95 mg (approximately)
- Finish: All External Surfaces Corrosion Resistant and Terminal Leads are Readily Solderable
- Pb-Free Package is Available

Part Electrical Specifications

Product	Compliance	Status	Configuration	V_{RRM} Min (V)	V_F Max (V)	I_{RM} Max (A)	$I_{O(rec)}$ Max (A)	I_{FSM} Max (A)	t_r Max (ns)	C_j Max (pF)	Package Type
MBRS3200T3G	AEC Qualified Pb-free Halide free	Active	Single	200	0.84	1000	3	100			SMB-2
NRVBS3200T3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	200	0.84	1000	3	100			SMB-2

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

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