

## Product Overview

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

For complete documentation, see the data sheet.

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
- 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

For more features, see the data sheet

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Configuration	$V_{RRM}$ Min (V)	$V_F$ Max (V)	$I_{RM}$ Max ( $\mu$ A)	$I_{O(Rec)}$ Max (A)	$I_{FSM}$ Max (A)	$t_{rr}$ Max (ns)	$C_j$ Max (pF)	Package Type
MBRS3200T3G	0.2268	Pb-free Halide free	Active	Single	200	0.84	1000	3	100	-	-	SMB-2
NRVBS3200NT3G	0.352	AEC Qualified PPAP Capable Pb-free Halide free	NEW	Single	200	0.84	1000	3	100	-	-	SMB-2
NRVBS3200NT3G-IR02		AEC Qualified PPAP Capable Pb-free Halide free	NEW	Single	200	0.84	1000	3	100	-	-	SMB-2

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