



Product Overview

MBRA320T3G: Schottky Power Rectifier, Surface Mount, 3.0 A, 20 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-Bent Leads
- Rectangular Package for Automated Handling
- Highly Stable Oxide Passivated Junction
- Very Low Forward Voltage Drop
- Guardring for Stress Protection
- Pb-Free Package is Available

Mechanical Characteristics :

- Case: Epoxy, Molded
- Weight: 70 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

Applications

- Free wheeling diode
- polarity diodes

End Products

- Hard disk drive
- Low-Power Power Supplies

Part Electrical Specifications

Product	Compliance	Status	Configuration	V_{RRM} Min (V)	V_F Max (V)	I_{RM} Max (uA)	$I_{O(rec)}$ Max (A)	I_{FSM} Max (A)	t_{rr} Max (ns)	C, Max (pF)	Package Type
MBRA320T3G	AEC Qualified Pb-free Halide free	Active	Single	20	0.5	2000	3	80			SMA-2
NRVBA320T3G	AEC Qualified PPAP Capable Pb-free Halide free	Active									SMA-2

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