



Product Overview

MBRA340: Schottky Power Rectifier, Surface Mount, 3.0 A, 40 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

- 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
- All External Surfaces are Corrosion Resistant and Terminal Leads are Readily Solderable
- Cathode Lead Indicated by polarity Band
- ESD Ratings, Machine Model = C, Human Body Model = 3B
- Device Meets MSL 1 Requirements
- AEC-Q101 Qualified and PPAP Capable

Applications

- Polarity Protection

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_j Max (pF)	Package Type
MBRA340T3G	AEC Qualified Pb-free Halide free	Active	Single	40	0.45	300	3	100			SMA-2
NRVBA340T3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	40							SMA-2

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

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