

Product Overview

MBRA140: Schottky Power Rectifier, Surface Mount, 1.0 A, 40 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-Bent Leads
- Rectangular Package for Automated Handling
- Highly Stable Oxide Passivated Junction
- Very Low Forward Voltage Drop
- Guardring for Stress Protection
- 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
- Shipped in 12 mm tape, 5000 units per 13 inch reel

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 (μ A)	$I_{O(Rec)}$ Max (A)	I_{FSM} Max (A)	t_{rr} Max (ns)	C_j Max (pF)	Package Type
MBRA140T3G	0.0755	Pb-free Halide free	Active	Single	40	0.55	500	1	30	-	-	SMA-2
NRVBA140NT3G	0.1355	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	40	0.55	500	1	30	-	-	SMA-2

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

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