

Product Overview

MBRS130: Schottky Power Rectifier, Surface Mount, 1.0 A, 30 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 overlap contact. It is ideally suited for use as rectifiers in low voltage, high frequency inverters, free wheeling diodes and polarity protection diodes.

Features

- Small Compact Surface Mountable Package with J-Bend Leads
 - Rectangular Package for Automated Handling
 - Highly Stable Oxide Passivated Junction
 - Very Low Forward Voltage Drop(0.6 Volts Max @ 1.0 A, T_J = 25C)
 - Excellent Ability to Withstand Reverse Avalanche Energy Transients
 - Guardring for Stress ProtectionMechanical Characteristics:
 - Case: Epoxy, Molded
 - Weight: 95 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
- 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 (μA)	I _{O(ree)} Max (A)	I _{FSM} Max (A)	t _r Max (ns)	C _j Max (pF)	Package Type
MBRS130	0.1431	Pb-free	Active	Single	30	0.6	1000	1	40	-	-	SMB
MBRS130T3G	0.0697	Pb-free Halide free	Active	Single	30	0.6	1000	1	40	-	-	SMB-2
NRVBS130NT3G	0.0396	AEC Qualified PPAP Capable Pb-free Halide free	NEW	Single	30	0.6	1000	1	40			SMB-2

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

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