Product Overview

MBRS3100T3: Schottky Power Rectifier, Surface Mount, 3.0 A, 100 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. State of the art geometry features epitaxial construction with oxide passivation and metal overlay contact. It is ideally suited for use as rectifiers in 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
- Excellent Ability to Withstand Reverse Avalanche Energy Transients
- Guardring for Stress ProtectionMechanical Characteristics:
- Case: Epoxy, Molded
- Weight: 217 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 16 mm Tape and Reel, 2500 units per 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 (µA)	$I_{O(rec)}$ Max (A)	I_{FSM} Max (A)	t_{rr} Max (ns)	C_j Max (pF)	Package Type
MBRS3100T3G	0.2596	Pb-free Halide free	Active	Single	100	0.79	50	3	130	-	-	SMC-2
NRVBS3100T3G	0.31	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	100	0.79	50	3	130	-	-	SMC-2

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

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