



Product Overview

MBRS360: Schottky Power Rectifier, Surface Mount, 3.0 A, 60 V

For complete documentation, see the data sheet

Product Description

This device employs the Schottky Barrier principles in a large area metal-to-silicon power diode.

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 Protection

Mechanical Characteristics:

- Case: Epoxy, Molded, Epoxy Meets UL94, VO
- 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

Applications

- Power Supplies
- EMI Filter as per Application Note, Conducted EMI Filter Design for the NCP1200

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
MBRS360BT3G	AEC Qualified Pb-free Halide free	Active	Single	60	0.74	150	3	125			SMB-2
MBRS360T3G	AEC Qualified Pb-free Halide free	Active	Single	60	0.74	150	3	125			SMC-2
NRVBS360T3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	60	0.74	150	3	125			SMC-2

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

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