



Product Overview

MBRS240L: Schottky Power Rectifier, Surface Mount, 2.0 A, 40 V

For complete documentation, see the [data sheet](#)

Product Description

The Schottky Rectifier employs the Schottky Barrier principle in a metal-to-silicon power rectifier. It features epitaxial construction with oxide passivation and metal overlay contact. The Schottky Rectifier is ideally suited for low voltage, high frequency switching power supplies, free wheeling diodes and polarity protection diodes.

Features

- Compact Package with J-Bend Leads Ideal for Automated Handling
- Highly Stable Oxide Passivated Junction
- Guardring for Over-Voltage Protection
- Low Forward Voltage Drop
- Case: Molded Epoxy
- Epoxy Meets UL94, VO at 1/8"
- Weight: 95 mg (approximately)
- Cathode Polarity Band
- Maximum Temperature of 260°C/10 Seconds for Soldering
- Available in 12 mm Tape, 2500 Units per 13" Reel, Add "T3" Suffix to Part Number

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
MBRS240LT3G	AEC Qualified Pb-free Halide free	Active	Single	40	0.43	2000	2	25			SMB-2
NRVBS240LT3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	40	0.43	2000	2	25			SMB-2

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

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