



Product Overview

MBRS230L: Schottky Power Rectifier, Surface Mount, 2.0 A, 30 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

Mechanical Characteristics:

- Case: Molded Epoxy
- Epoxy Meets UL94, VO at 1/8"
- Weight: 95 mg (approximately)
- Finish: All External Surfaces Corrosion Resistant and Terminal Leads are Readily Solderable
- 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 (mA) | $I_{O(rec)}$ Max (A) | I_{FSM} Max (A) | t_r Max (ns) | C_j Max (pF) | Package Type |
|--------------|---|-----------------|---------------|-------------------|---------------|-------------------|----------------------|-------------------|----------------|----------------|--------------|
| MBRS230LT3G | AEC Qualified Pb-free Halide free | Active | Single | 30 | 0.49 | 1000 | 2 | 40 | | | SMB-2 |
| NRVBS230LT3G | AEC Qualified PPAP Capable Pb-free Halide free | Product Preview | Single | 30 | 0.49 | 1000 | 2 | 40 | | | SMB-2 |

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

Created on: 7/11/2015