



Product Overview

MBRA130L: Schottky Power Rectifier, Surface Mount, 1.0 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. The Schottky Rectifier features epitaxial construction with oxide passivation and metal overlay contact. It 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, V_O at 1/8"
- Weight: 70 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
- Polarity: Notch in Plastic Body Indicates Cathode Lead

Part Electrical Specifications

Product	Compliance	Status	Configurat ion	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
MBRA130LT3G	AEC Qualified Pb-free Halide free	Active	Single	30	0.41	1000	1	25			SMA-2
NRVBA130LT3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	30	0.41	1000	1	25			SMA-2

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Created on: 7/11/2015