



Product Overview

MBRA2H100: Schottky Power Rectifier, Surface Mount, 2.0 A, 100 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. 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
- Guard-Ring for Overvoltage Protection
- Low Forward Voltage Drop
- This is a Pb-Free Device

Mechanical Characteristics:

- Case: Molded Epoxy
- Epoxy Meets UL 94 V-0 @ 0.125 in
- Weight: 70 mg (approximately)
- Cathode Polarity Band
- Lead and Mounting Surface Temperature for Soldering Purposes: 260C Max. for 10 Seconds

Benefits

- Low Power Loss / High Efficiency

Applications

- Power Supplies
- Free Wheeling Diodes
- Polarity Protection Diodes

End Products

- LED Lamps

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
MBRA2H100T3G	AEC Qualified	Active	Single	100	0.79	8	2	130			SMA-2
	Pb-free										
	Halide free										
NRVBA2H100T3G	AEC Qualified	Active	Single	100	0.79	8	2	130			SMA-2
	PPAP Capable										
	Pb-free Halide free										

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