



## Product Overview

### MBRB2515L: Schottky Barrier Rectifier, 15 V, 25 A

For complete documentation, see the data sheet

#### Product Description

The Schottky Rectifier employs the Schottky Barrier principle in a large area metal-to-silicon power diode. State of the art geometry features epitaxial construction with oxide passivation and metal overlay contact. It is ideally suited for use as rectifiers in low voltage, high frequency inverters, free wheeling diodes and polarity protection diodes.

#### Features

- Guardring for Stress Protection
- Low Forward Voltage
- 100 C Operating Junction Temperature
- Epoxy Meets UL94, VO at 1/8"
- Short Heat Sink Tab Manufactured Not Sheared!
- Similar in Size to the Industry Standard TO-220 Package

Mechanical Characteristics:

- Case: Epoxy, Molded
- Weight: 1.7 grams (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

#### 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
MBRB2515LG	Pb-free Halide free	Active	Single	15	0.45	15000	25	150			D <sup>2</sup> PAK-3
MBRB2515LT4G	Pb-free Halide free	Active	Single	15	0.45	15000	25	150			D <sup>2</sup> PAK-3

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com)

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