



## Product Overview

### MBRB20200CT: Schottky Barrier Rectifier, 200 V, 20 A

For complete documentation, see the data sheet

#### Product Description

The Schottky Rectifier uses Schottky Barrier technology with a platinum barrier metal. This state of the art device is designed for use in high frequency switching power supplies and converters with up to 48 volt outputs. This device blocks up to 200 volts and offers improved Schottky performance at frequencies from 250 kHz to 5.0MHz.

#### Features

- 200 Volt Blocking Voltage
- Low Forward Voltage Drop
- Guardring for Stress Protection and High dv/dt Capability (10,000 V/μs)
- Dual Diode Construction - Terminals 1 and 3 Must be Connected for Parallel Operation at Full Rating

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
- Shipped 50 units per plastic tube
- Available in 24 mm Tape and Reel, 800 units per 13" reel by adding a "T4" suffix to the part number

#### 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
MBRB20200CTG	Pb-free Halide free	Active	Common Cathode	200	1	1000	20	150	-	-	D <sup>2</sup> PAK-3
MBRB20200CTT4G	Pb-free Halide free	Active	Common Cathode	200	1	1000	20	150	-	-	D <sup>2</sup> PAK-3
SBRB20200CTT4G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Common Cathode	200	1	1000	20	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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