



Product Overview

MBRB20100CT: Schottky Barrier Rectifier, 100 V, 20 A

For complete documentation, see the data sheet

Product Description

This Schottky Rectifier uses the Schottky Barrier principle with a platinum barrier metal.

Features

- Package Designed for Power Surface Mount Applications
- Center-Tap Configuration
- Guardring for Stress Protection
- Low Forward Voltage
- 150 C Operating Junction Temperature
- Epoxy Meets UL94, V₀ at 1/8"
- Guaranteed Reverse Avalanche
- Short Heat Sink Tab Manufactured Not Sheared!
- Similar in Size to Industry Standard TO-220 Package

Mechanical Characteristics:

- Case: Epoxy, Molded

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 _i Max (pF) | Package Type |
|------------------|---|--------|----------------|--------------------------|------------------------|--------------------------|-----------------------------|--------------------------|--------------------------|-------------------------|----------------------|
| MBRB20100CTG | Pb-free Halide free | Active | Common Cathode | 100 | 0.95 | 100 | 20 | 150 | - | - | D ² PAK-3 |
| MBRB20100CTT4G | Pb-free Halide free | Active | Common Cathode | 100 | 0.95 | 100 | 20 | 150 | - | - | D ² PAK-3 |
| NRVBB20100CTT4G | AEC Qualified PPAP Capable Pb-free Halide free | Active | Common Cathode | 100 | 0.95 | 100 | 20 | 150 | - | - | D ² PAK-3 |
| NRVBBS20100CTT4G | AEC Qualified PPAP Capable Pb-free Halide free | Active | Common Cathode | 100 | 0.95 | 100 | 20 | 150 | - | - | D ² PAK-3 |

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

Created on: 7/11/2015