



Product Overview

MBRF2045CTG: Schottky Barrier Rectifier, 45 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

- Low Forward Voltage
- Low Power Loss/High Efficiency
- High Surge Capacity
- 175°C Operating Junction Temperature
- 20 A Total (10 A Per Diode Leg)
- Pb-Free Package is Available

Mechanical Characteristics:

- Case: Epoxy, Molded
- Epoxy Meets UL94, V-O @ 0.125 in
- Weight: 1.9 Grams (Approximately)
- Finish: All External Surfaces Corrosion Resistant and Terminal Leads are Readily Solderable

Applications

- Instrumentation
- Power Supply - Output Rectification
- Power Management

End Products

- Gaming Adaptors
- Small to Medium Power Adaptors
- LCD TV Power Supply

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
MBRF2045CTG	Pb-free	Active	Common Cathode	45	0.84	100	20	150			TO-220 FULLPAK- 3

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

Created on: 7/11/2015