



Product Overview

MBR4045WT: Schottky Power Rectifier, Switch-mode, 40 A, 45 V

For complete documentation, see the [data sheet](#)

Product Description

The Schottky Rectifier employs the use of the Schottky Barrier principle with a platinum barrier metal.

Features

- Dual Diode Construction - Terminals 1 and 3 May Be Connected for Parallel Operation at Full Rating
- 45 Volt Blocking Voltage
- Low Forward Voltage Drop
- Guardring for Stress Protection and High dv/dt Capability ($> 10 \text{ V/ns}$)
- 150 C Operating Junction Temperature

Mechanical Characteristics:

- Case: Epoxy, Molded
- Weight: 4.3 grams (approximately)
- Finish: All External Surfaces Corrosion Resistant and Terminal Leads are Readily Solderable
- Lead 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
MBR4045WTG	Pb-free	Active	Common Cathode	45	0.8	1000	40	400			TO-247-3

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

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