



Product Overview

MBR40L45: Schottky Power Rectifier, Switch-mode, L-Series, 40 A, 45 V

For complete documentation, see the data sheet

Product Description

Enhanced Schottky rectifiers with lower V_f and higher surge to provide lower power loss and higher efficiency.

Features

- Low Forward Voltage
- Low Power Loss/High Efficiency
- High Surge Capacity
- 175°C Operating Junction Temperature
- 40 A Total (20 A Per Diode Leg)
- Guard-Ring for Stress Protection
- Mechanical Characteristics:
 - Case: Epoxy, Molded
 - Epoxy Meets UL 94 V0 @ 0.125 in
 - Weight (Approximately): 1.9 Grams

Benefits

- Better and higher efficiencies

Applications

- Power Supply Output Rectification
- Power Management
- Instrumentation

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_j Max (pF)	Package Type
MBR40L45CTG	Pb-free	Active	Common Cathode	45	0.63	1200	40	200			TO-220-3

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

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