

Product Overview

MBR20L45: Schottky Barrier Rectifier, Dual, L-Series, 20 A, 90 V

For complete documentation, see the data sheet.

Enhanced Schottky rectifiers with lower VF, higher surge, and lower IR parameters

Features

- Low Forward Voltage
- Low Power Loss/High Efficiency
- High Surge Capacity
- 150C Operating Junction Temperature
- 20A Total (10A Per Diode Leg)
- Guard-Ring for Stress Protection

Mechanical Characteristics:

- Case: Epoxy, Molded
- Epoxy Meets UL 94 V-0 @ 0.125 in
- Weight (Approximately): 1.9 Grams
- Finish: All External Surfaces Corrosion Resistant and Terminal Leads are Readily Solderable

For more features, see the data sheet

Benefits

- Lower forward power loss

Applications

- Power Supply - Output Rectification
- Power Management
- Instrumentation

End Products

- Power Supply

Part Electrical Specifications

Product	Compliance	Status	Configuration	V_{RRM} Min (V)	V_F Max (V)	I_{RM} Max (μ A)	$I_{O(rec)}$ Max (A)	I_{FSM} Max (A)	t_r Max (ns)	C_j Max (pF)	Package Type
MBR20L45CTG	Pb-free	Active	Common Cathode	45	0.63	500	20	180	-	-	TO-220-3
MBRF20L45CTG	Pb-free	Active	Common Cathode	45	0.63	500	20	180	-	-	TO-220-3 FullPak

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

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