



## Product Overview

### MBR41H100CT: Schottky Barrier Rectifier, H-Series, 100 V, 40 A

For complete documentation, see the data sheet

#### Product Description

Enhanced Schottky rectifiers with lower  $V_F$ , higher surge, and lower IR parameters.

#### Features

- Low Forward Voltage: 0.67 V @ 125C
- Low Power Loss/High Efficiency
- High Surge Capacity
- 175C Operating Junction Temperature
- 40 A Total (20 A Per Diode Leg)
- Guard-Ring for Stress Protection
- Pb-Free Package is Available

Mechanical Characteristics:

- Case: Epoxy, Molded
- Epoxy Meets UL 94, V-0 @ 0.125 in
- Weight: Approximately 1.9 grams

#### 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
MBR41H100CTG	Pb-free	Active	Common Cathode	100	0.9	10	40	350			TO-220-3
MBRB41H100CT-1G	Pb-free	Active	Common Cathode	100	0.9	10	40	350			<sup>2</sup> I PAK-3
MBRB41H100CTT4G	Pb-free Halide free	Active	Common Cathode	100	0.9	10	40	350			<sup>2</sup> D PAK-3
NRVBB41H100CTT4G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Common Cathode	100	0.9	10	40	350			<sup>2</sup> D PAK-3

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com)

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