



Product Overview

MBRF40250T: Schottky Power Rectifier, Switch-mode, 40 A, 250 V

For complete documentation, see the data sheet

Product Description

The 250 V, 40 A Schottky Rectifier minimizes the need for EMI filtering, reduces switching losses and has soft recovery without reverse recovery oscillation.

Features	Benefits
<ul style="list-style-type: none">250 V Blocking VoltageLow Forward Voltage Drop, $V_F = 0.86\text{ V}$Soft Recovery Characteristic, $T_{RR} < 35\text{ ns}$Stable Switching Performance Over Temperature	<ul style="list-style-type: none">Reduces or Eliminates Reverse Recovery OscillationsMinimizes Need for EMI FilteringReduces Switching LossesImproved Efficiency

Applications

- Power Supply
- Power Management
- Instrumentation
- Automotive

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_r Max (ns)	C, Max (pF)	Package Type
MBRF40250TG	Pb-free	Active	Single	250	0.97	30	40	150	35	500	TO-220 FULLPAK- 3

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

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