



Product Overview

MBR40250T: 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"><li>250 V Blocking Voltage</li><li>Low Forward Voltage Drop, <math>V_F = 0.86\text{ V}</math></li><li>Soft Recovery Characteristic, <math>T_{RR} &lt; 35\text{ ns}</math></li><li>Stable Switching Performance Over Temperature</li></ul>	<ul style="list-style-type: none"><li>Reduces or Eliminates Reverse Recovery Oscillations</li><li>Minimizes Need for EMI Filtering</li><li>Reduces Switching Losses</li><li>Improved Efficiency</li></ul>

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
MBR40250TG	Pb-free	Active	Single	250	0.97	30	40	150	35	500	TO-220-3

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