

Product Overview

MBR40250: Schottky Power Rectifier, Switch-mode, 40 A, 250 V

For complete documentation, see the data sheet.

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

- 250 V Blocking Voltage
- Low Forward Voltage Drop, $V_F = 0.86$ V
- Soft Recovery Characteristic, TRR < 35 ns
- Stable Switching Performance Over Temperature

Benefits

- Reduces or Eliminates Reverse Recovery Oscillations
- Minimizes Need for EMI Filtering
- Reduces Switching Losses
- Improved Efficiency

Applications

- Power Supply
- Power Management
- Instrumentation
- Automotive

Part Electrical Specifications

Product	Compliance	Status	Configuration	V_{RRM} Min (V)	V_F Max (V)	I_{RM} Max (μA)	$I_{O(rec)}$ Max (A)	I_{FSM} Max (A)	t_r Max (ns)	C_j Max (pF)	Package Type
MBR40250G	Pb-free	Active	Single	250	0.97	30	40	150	35	500	TO-220-2

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

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