

MBRB40250TG

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

Product Overview

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, $V_F = 0.86\text{ V}$
- Soft Recovery Characteristic, $TRR < 35\text{ ns}$
- 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	Pricing (\$/Unit)	Compliance	Status	Configuration	$V_{RRM}\text{ Min (V)}$	$V_F\text{ Max (V)}$	$I_{RM}\text{ Max (}\mu\text{A)}$	$I_{O(rec)}\text{ Max (A)}$	$I_{FSM}\text{ Max (A)}$	$t_{rr}\text{ Max (ns)}$	$C_j\text{ Max (pF)}$	Package Type
MBRB40250TT4G	0.6698		Active	Single	250	0.97		40	150	35	500	D2PAK-3 / TO-263-2