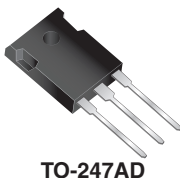
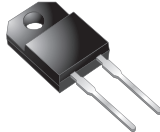


Industry's First Commercial TMBS® - Trench MOS Barrier Schottky Rectifier Series



The TMBS® series is Vishay General Semiconductor's patented new Trench MOS Barrier Schottky rectifier product series. TMBS® products are optimized with power ratings selections from 100 V, 120 V, 150 V up to 200 V for different system requirements and in numerous popular packages.

This is a rapid growing new product line with wide range of product portfolios for various application needs, please refer to the TMBS® data sheets section for more part numbers and specification information, or contact one of our VGS regional marketing colleagues for the most updated new parts information.

TMBS offers several advantages over planar Schottky rectifiers. As operating voltages move to 100 V and above, planar Schottky rectifiers tend to lose their advantage of high switching speed and low forward voltage drop to a substantial degree. The patented TMBS structure, however, diminishes minority carrier injections to the drift region, minimizing stored charges and improving switching speed.

FEATURES

- Patented Trench structures, voltage ratings: 200 V, 150 V, 120 V, 100 V
- Improved efficiency in AC/DC SMPS and DC/DC convertors
- High power density and low forward voltage
- Multiple package options

APPLICATIONS

- Adaptors for LCD monitors/TV, Mini PC
- PC/Server power supplies
- AC/DC SMPS
- DC/DC convertors
- Telecom and server OR-ing diodes