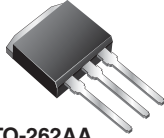


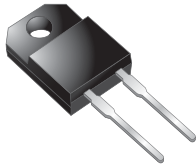
Industry's First Commercial TMBS® - Trench MOS Barrier Schottky Rectifier Series



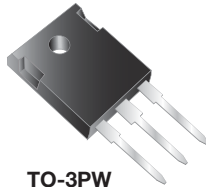
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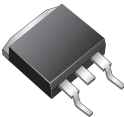
TO-262AA



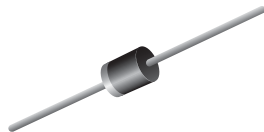
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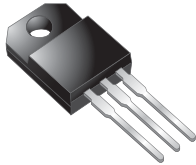
TO-3PW



TO-262AB



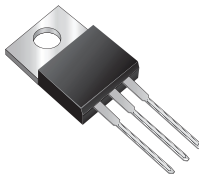
P600 Axial



ITO-220AB



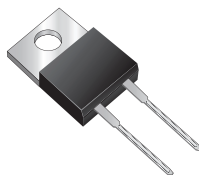
DO-214AC (SMA)



TO-220AB



DO-214AA (SMB)



TO-220AC



DO-214AB (SMC)

Vishay's patented Trench MOS Barrier Schottky (TMBS®) rectifiers are available with seven voltage ratings from 45 V to 200 V and several different package options to serve a wide range of system requirements. TMBS offers several advantages over planar Schottky rectifiers. As operating voltage moves to 45 V and above, planar Schottky rectifiers tend to lose their advantage of fast switching speeds and low forward voltage drop to a substantial degree. The patented TMBS structure addresses this issue by diminishing minority carrier injections to the drift region, thus minimizing stored charges and improving switching speeds.

For detailed information, please refer to the TMBS section of this selector guide or visit the Vishay website for the latest information on available devices.

FEATURES

- Patented Trench structure
- Voltage ratings: 45 V, 60 V, 80 V, 100 V, 120 V, 150 V, 200 V
- Improved efficiency in AC/DC SMPS and DC/DC converters
- High power density and low forward voltage
- Multiple package options

APPLICATIONS

- Adaptors for LCD monitors/TVs, mini PCs
- PC and server power supplies
- AC/DC SMPS
- DC/DC converters
- Telecom and server OR-ing diodes
- Solar cell junction box as a bypass diode for protection