



SOT-227 TMBS® DIODE MODULES

Highly Efficient and Compact Solutions for Low Voltage Circuits

PATENTED

TRENCH MOS BARRIER TECHNOLOGY



Low forward voltage related losses



Low reverse leakage losses



Low reverse recovery charge

Current rating

up to 400 A per module

Operating junction temperature range

-40 °C to 150 °C of T_J

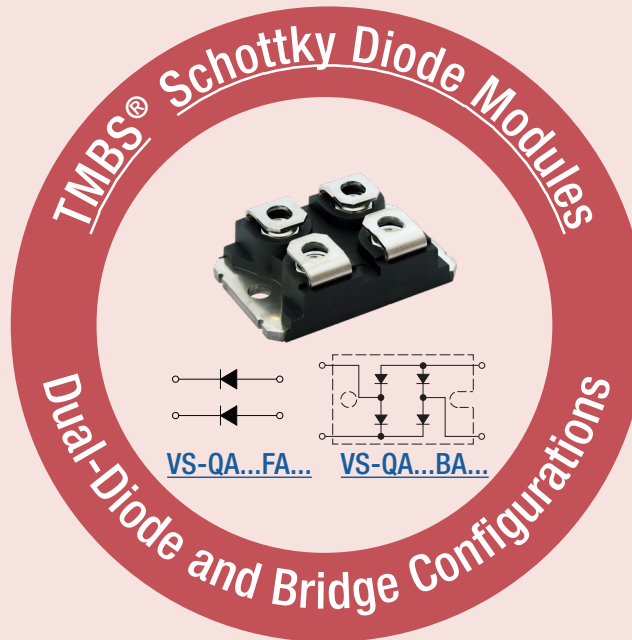
ADVANTAGES

High efficiency in continuous forward operation

Good reverse blocking capabilities

Enhanced hard switching rectification mode

UL-qualified for industrial use



INDUSTRY-STANDARD OUTLINE



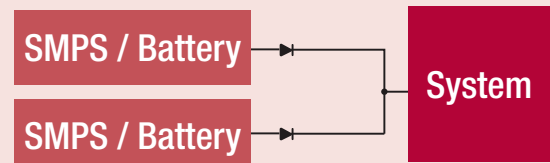
Drop-in replacement
for competitor
alternative



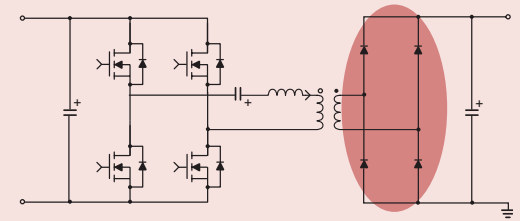
Enhanced thermal
properties for
low R_{th}

APPLICATIONS

OR-ing diodes for reverse current protection in parallel / redundant systems



Secondary side rectification in high frequency DC/DC converters (FSFB, LLC)



WELDING



UPS



LIGHT EVs



ENERGY
STORAGE



SERVERS



POWER
SUPPLIES