

100 V Gen 2 TMBS® Rectifier Modules in SOT-227 Package

Devices Increase Efficiency and Offer Drop-in Replacements to Reduce Conduction Losses



ADVANTAGE

Trench MOS Barrier Schottky rectifier modules offer best in class forward voltage drop down to 0.83 V

KEY PRODUCT FEATURES

- ✓ High current ratings from 100 A to 400 A
- ✓ Negligible Q_{rr}
- ✓ High temperature operation to +150 °C
- ✓ Offered in the compact, fully insulated SOT-227 package
- ✓ Two configurations available:
 - Two separate diodes, parallel and single-phase bridge



MARKETS AND APPLICATIONS



CONNECTIVITY

- Telecom mobile infrastructure



MOBILITY

- Micro mobility



ENERGY SECTOR

- Distribution and management
- Storage



INDUSTRIAL

- Drives and tools

DEVICE SPECIFICATIONS

Two Separate Diodes, Parallel			
Part Number	I_F (A)	V_{RRM} (V)	V_{FM} (V)
VS-QA100FA10	100 per module	100	0.83
VS-QA200FA10	200 per module	100	0.83
VS-QA400FA10	400 per module	100	0.87
Single-Phase Bridge			
Part Number	I_O (A)	V_{RRM} (V)	V_{FM} (V)
VS-QA150BA10	150	100	0.87

RESOURCES



Order Samples



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Application
Notes