



The DNA of tech.®

Power MOSFET Modules in SOT-227 Package

Increase Power Conversion Efficiency While Eliminating the Need for PCB Redesigns

ADVANTAGE



Offered in single-switch and low side chopper configurations, featuring the latest 650 V superjunction MOSFET technology for an optimized $R_{DS(on)}-Q_g$ tradeoff

KEY PRODUCT FEATURES

- ✓ Current ratings of 50 A, 100 A, and 150 A
- ✓ Low on-resistance down to 14.8 mΩ typical
- ✓ Low conduction and switching losses
- ✓ Wide temperature range of -55 °C to +150 °C
- ✓ Industry-standard SOT-227 package
- ✓ UL approved file E78996



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MARKETS AND APPLICATIONS



CONNECTIVITY

- Telecom mobile infrastructure



ENERGY SECTOR

- Generation and exploration
- Distribution and management



INDUSTRIAL

- Drives and tools
- Infrastructure



HEALTHCARE

- Medical instrumentation, monitoring, therapeutics

SPECIFICATION TABLE

Part number	V_{DSS} (V)	$R_{DS(on)}$ typ. (mW)	Q_g (nC)	Nom. current rating (A)	Config.
VS-FC50LA65	650	45	167	50	Low side chopper
VS-FC50SA65	650	44	168	50	Single switch
VS-FC100SA65	650	22	338	100	
VS-FC150SA65	650	14.8	508	150	