



The DNA of tech.®

1200 V SiC MOSFET Power Modules in MAACPAK PressFit Package

Low Profile Devices Save Space While Reducing Parasitic Inductance for Cleaner Switching



ADVANTAGE

VS-MPY038P120 and VS-MPX075P120 are designed to increase efficiency and reliability for medium to high frequency applications

KEY PRODUCT FEATURES

- ✓ Integrate:
 - Latest generation SiC MOSFETs
 - Fast intrinsic SiC diodes with low reverse recovery
 - NTC thermistors for temperature sensing
- ✓ Rugged transfer mold construction
- ✓ Available in full-bridge inverter and three-phase inverter topologies
- ✓ Low on-resistance down to 38 mΩ
- ✓ Simplified mechanical design for rapid assembly



MARKETS AND APPLICATIONS



CONNECTIVITY

- Telecom mobile infrastructure



MOBILITY

- Charging stations for EV / HEV



ENERGY SECTOR

- Generation and exploration
- Storage



INDUSTRIAL

- Drives and tools
- Infrastructure

KEY SPECIFICATIONS

Part number	VS-MPY038P120	VS-MPX075P120
V _{DSS}	1200 V	
R _{DS(ON)}	38 mΩ	75 mΩ
I _D at +80 °C	35 A	18 A
Package	MAACPAK	
Circuit configuration	Full-bridge inverter	Three-phase inverter
Max. junction temp. range	-55 °C to +175 °C	

RESOURCES



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