



# MAACPAK PressFit Power Module

## Full Bridge Inverter Silicon Carbide MOSFET, 38 mΩ

### DESCRIPTION

This is a high-performance silicon carbide MOSFET. The high blocking voltage with low on-resistance, high speed switching with low capacitance make this MOSFET ideal for high frequency switching application including solar inverters and EV chargers.

### FEATURES

- Silicon carbide power MOSFET
- High blocking voltage with low on-resistance
- High speed switching with low capacitance
- Fast intrinsic diode with low reverse recovery (Qrr)
- Maximum 175 °C junction temperature
- PressFit pins locking technology
- UL pending

### TYPICAL APPLICATIONS

- EV chargers
- Server and telecom PSU
- UPS
- Solar inverters
- SMPS
- DC/DC converters



**MAACPAK**  
(package example)

PRIMARY CHARACTERISTICS	
$V_{DS}$	1200 V
$R_{DS(on)}$ at $I_D = 40$ A	33 mΩ
$I_D$ at $T_{sink} = 80$ °C	35 A
Type	Modules - SiC MOSFET
Package	MAACPAK
Circuit configuration	Full bridge inverter

[vs-mpy038p120.pdf](#)

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