

1200V IGBT PIMs



Features

- Trench IGBT technology
- Isolated heat sink using DBC technology
- Low switching loss
- Fast & soft recovery anti-parallel FWD
- High short circuit ruggedness
- Positive temperature coefficient for easy paralleling



Benefits

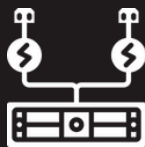
Enables fast switching capability while delivering high power in a small form factor for greater control of output voltage and current.

Multiple power switching devices integrated into a single package (E1, E1A, E2A) for high-power density in a smaller design.

Applications



Welding
Machines



Power
Supplies

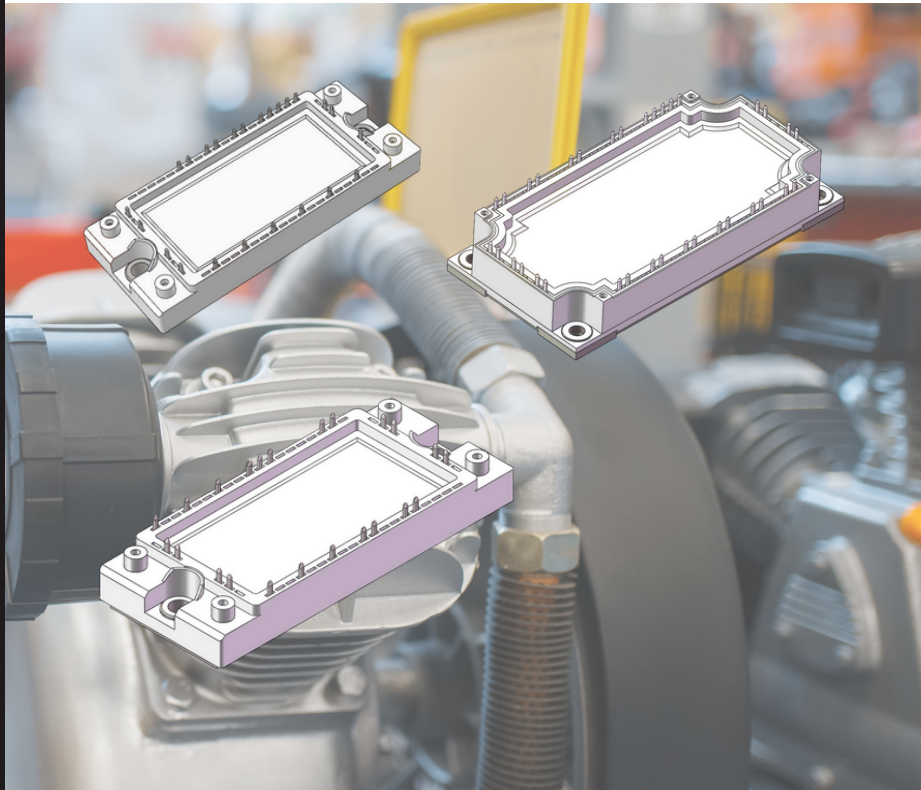


Solar
Inverters

1200V IGBT Power Integrated Modules

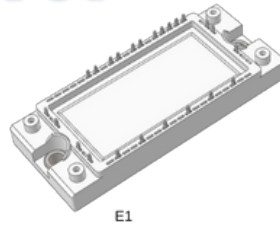
MIP25R12E1TN-BP
MIP50R12E1ATN-BP

MIP50R12E2ATN-BP
MIP75R12E2ATN-BP

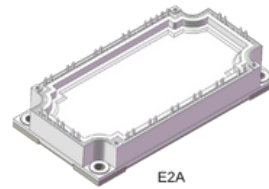


**UNLEASH THE POWER OF HIGH-
VOLTAGE PERFORMANCE WITH
MCC'S IGBT PIM SOLUTIONS**

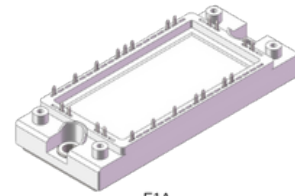
1200V IGBT Power Integrated Modules



E1



E2A



E1A

Parametrics & Datasheets:

Product	Voltage	Current	Power	Device Package	Vce (on)	Mounting Type	Data Sheet
MIP25R12E1TN-BP	1200V	25A	166W	E1	2.25V @15V, 25A	Chassis Mount	Data Sheet
MIP50R12E1ATN-BP	1200V	50A	288W	E1A	2.3V @15V, 50A	Chassis Mount	Data Sheet
MIP50R12E2ATN-BP	1200V	50A	28WW	E2A	2.3V @ 15V, 50A	Chassis Mount	Data Sheet
MIP75R12E2ATN-BP	1200V	75A	476W	E2A	2.15V @ 15V, 75A	Chassis Mount	Data Sheet

Applications:



Industrial Automation

- Motor driver
- Power supplies/inverters
- Electric compressors & heaters
- Motor control circuits
- Welding machines



Renewable Energy

- Wind turbines
- Photovoltaic/solar inverters
- Energy storage systems (ESS)



Power Electronics

- UPS (uninterruptible power supply)
- Power factor correction
- Power supplies, including telecom and data center equipment

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