

## 1200V 100A IGBT IN GJ PACKAGE



### Features

- Low Switching Losses
- $V_{ce(sat)}$  with positive temperature coefficient
- Low Inductance
- Isolated copper baseplate using DBC technology
- Maximum Junction Temperature 175°C
- Epoxy Meets UL 94 V-0 Flammability Rating



### Benefits

Low switching losses and a low  $V_{CE(sat)}$  minimize energy waste, improving system efficiency and reducing operating costs.

Excellent thermal conductivity from the DBC baseplate and low junction-to-case thermal resistance.

Compact GJ package size allows for space-saving designs, making it fit into small or densely populated systems.

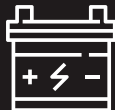
### Applications



Solar  
inverters



Robotic  
motion  
controllers



Battery energy  
storage  
systems

## MCC's newest 1200V 100A IGBT in GJ package



## Keep Switching Losses Low Even Under Heavy Loads

# Isolated Copper Baseplate with DBC technology for Thermal Management



## Product Attributes, Parametrics & Datasheets

Product	Type	Package	Voltage Class Max. (V)	Continuous Collector Current @ 100° Max. (IC)	Datasheet
<a href="#"><u>MIUZ100R12GJTL-BP</u></a>	IGBT Module	GJ	1200	100	<a href="#"><u>Info</u></a>

## Applications:



### Industrial Automation

- AC motor drives
- DC motor control systems
- Robotic motion controllers



### Renewable Energy

- Solar inverters
- Wind turbine converters



### Power Conversion

- Power factor correction (PFC) circuits
- Switch-mode power supplies (SMPS)



### Rail & Infrastructure

- Railway traction systems
- Brake switch circuits



### UPS & Backup Power

- Uninterruptible power supplies (UPS)
- Battery energy storage systems

**CONTACT MCC TO REQUEST A SAMPLE**

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