

MCC's MBRxxPT Series

HIGH-POWER SCHOTTKY BARRIER RECTIFIERS



Features

- High operating junction temperature capability up to 175°C
- High-current capability from 80A to 100A
- Low leakage current of 10µA
- Low forward voltage drop
- TO-247 package with enhanced thermal performance



Benefits

Minimize energy losses and maximize efficiency with low leakage current and low forward drop.

Reduce the risk of thermal-related failures with operating junction temperature capability up to 175°C.

Applications



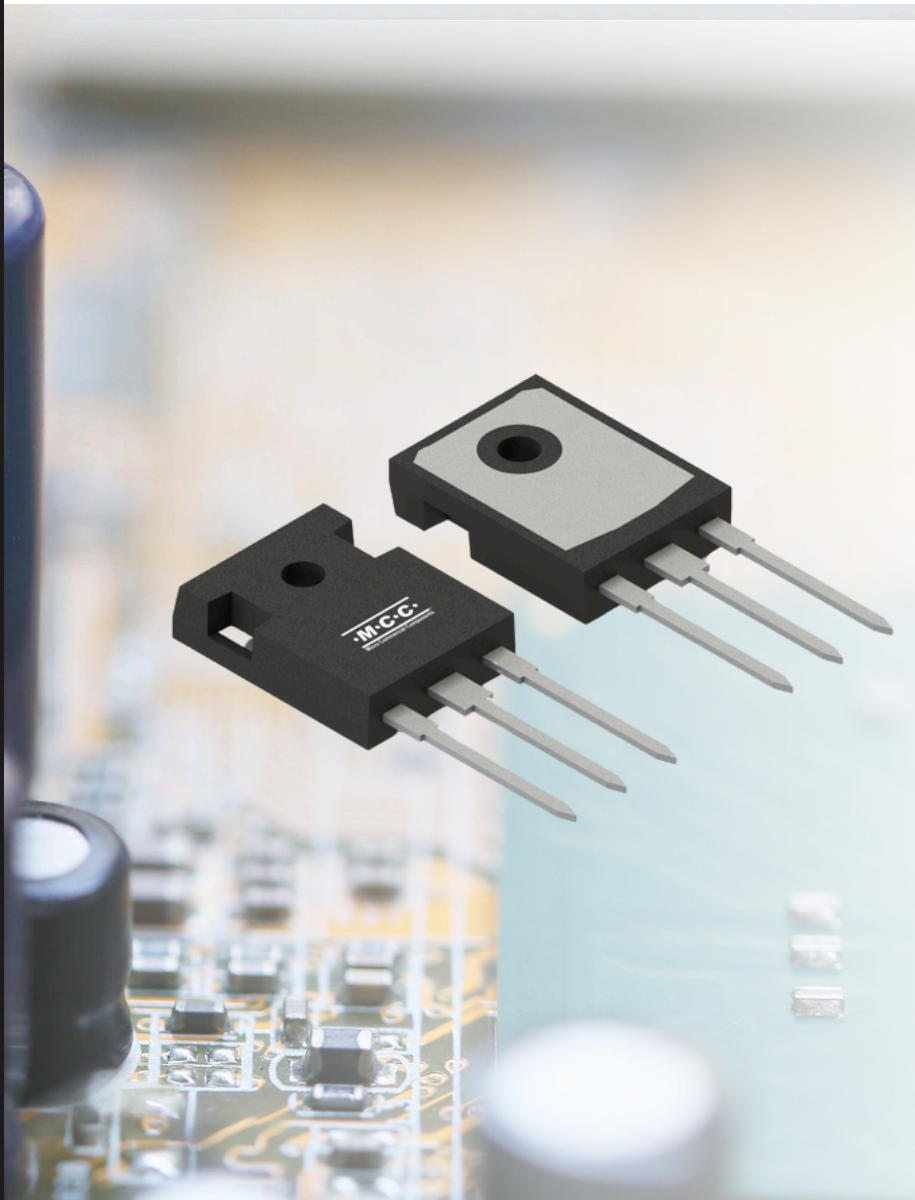
Inverters



Wind turbine
converters

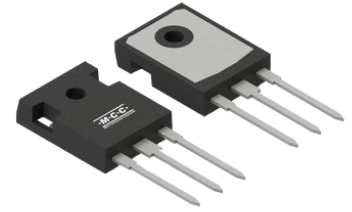


Uninterruptible
power supplies
(UPS)



High-Current Capability & Efficiency

Robust Performance from 150V to 250V



Product Attributes, Parametrics & Datasheets

Product	Type	Package	Working Peak Reverse Voltage V _{WRM}	Average Rectified Forward Current I _{F(AV)}	Mounting Type	Datasheet
<u>MBR80250PT</u>	Schottky Barrier Rectifier	TO-247	250V	80A	Through-Hole	<u>Info</u>
<u>MBR80150PT</u>	Schottky Barrier Rectifier	TO-247	150V	80A	Through-Hole	<u>Info</u>
<u>MBR100200PT</u>	Schottky Barrier Rectifier	TO-247	200V	100A	Through-Hole	<u>Info</u>
<u>MBR100150PT</u>	Schottky Barrier Rectifier	TO-247	150V	100A	Through-Hole	<u>Info</u>
<u>MBR90200PT</u>	Schottky Barrier Rectifier	TO-247	200V	90A	Through-Hole	<u>Info</u>
<u>MBR90150PT</u>	Schottky Barrier Rectifier	TO-247	150V	90A	Through-Hole	<u>Info</u>

Applications:



Industrial Applications

- Power supplies
- Inverters
- Motor drives



Renewable Energy

- Solar inverters
- Wind turbine converters



Data Centers & Telecommunications

- Uninterruptible power supplies (UPS)
- Server power systems



Consumer Electronics

- High-power battery chargers
- Smart home energy systems

CONTACT MCC TO REQUEST A SAMPLE

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