

Maximize Efficiency with Auto-Grade Rectifier Solutions

40V–200V AUTOMOTIVE SCHOTTKY BARRIER RECTIFIERS



Features

- AEC-Q101 qualified for reliability in auto environments
- Wide voltage range (45V to 200V) and current capability (6A to 15A)
- Guard ring design minimizes leakage
- Single diode and dual common cathode configurations



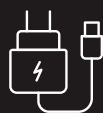
Benefits

Deliver stable performance in conditions with operating junction temperatures up to 175°C. Low-profile DFN5060 package enables compact, innovative designs.

Applications



LED lighting systems



Mobile device chargers



Solar inverters



AEC-Q Qualified

Wide 45V to 200V Selection in Compact DFN5060 Package



Versatility in Single and Dual Common Cathode Configurations

Product Attributes, Parametrics & Datasheets

Product	Type	Package	Working Peak Reverse Voltage V _{WRM}	Average Rectified Forward Current I _{F(AV)}	Mounting Type	Datasheet
MBRP10100Q	Schottky Barrier Rectifier	DFN5060	100V	10A	Surface-Mount (SMD)	Info
MBRP1560Q	Schottky Barrier Rectifier	DFN5060	60V	15A	Surface-Mount (SMD)	Info
MBR6200CTQ	Schottky Barrier Rectifier	DFN5060	200V	6A	Surface-Mount (SMD)	Info
MBRP645CTQ	Schottky Barrier Rectifier	DFN5060	45V	6A	Surface-Mount (SMD)	Info

Applications:



Automotive

- Electronic control units (ECUs)
- Battery management systems (BMS)
- LED lighting systems



Consumer

- Power adapters
- Mobile device chargers
- Home appliances



Industrial

- Motor drives
- Power inverters
- Industrial automation systems



Telecommunications

- Base station power supplies
- Network equipment
- Data center power management



Renewable Energy

- Solar inverters
- Wind turbine controllers
- Energy storage systems

CONTACT MCC TO REQUEST A SAMPLE

mccsemi.com | +818.701.4933

