

MCC Unleashes 600V High-Performance Superjunction MOSFETs

600V HIGH-PERFORMANCE SUPERJUNCTION MOSFETS



Features

- Reduces thermal management requirements
- Low on-resistance of 193mΩ
- Low conduction losses due to minimal heat dissipation
- Low gate charge improves switching speed and efficiency
- Integrated fast recovery diode empowers high-speed switching
- Seamless integration with non-isolated TO-220AB and isolated TO-220F packages



Benefits

Engineered for maximum efficiency, MSJPFR20N60 and MSJPFR20N60 boast a low on-resistance of 193mΩ, ensuring minimal power losses.

Their integrated fast recovery diode ensures rapid recovery times, dramatically optimizing overall switching performance and circuit reliability.

Applications



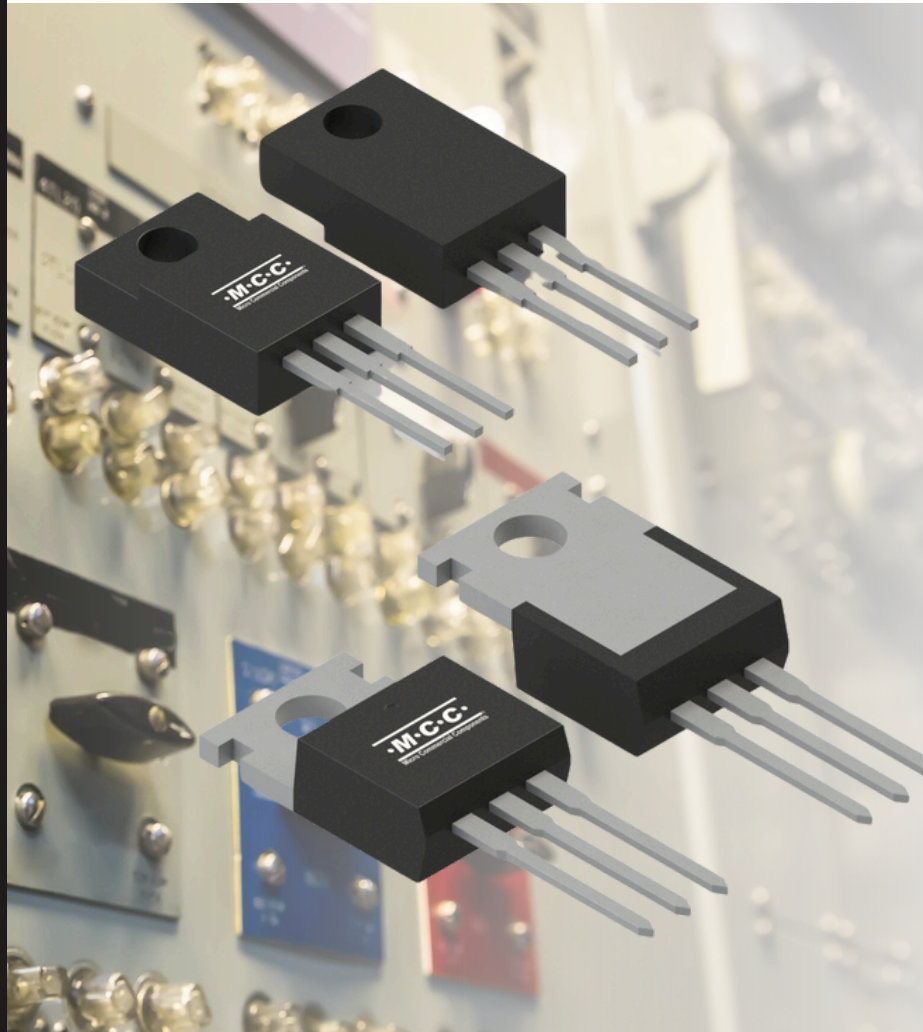
Power
Conversion



Motor
Controls

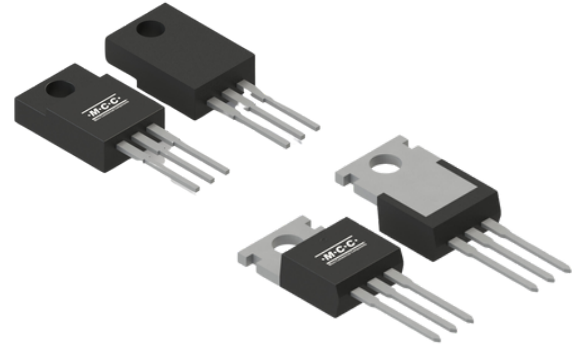


High-Voltage
Switching



Optimal Thermal Performance with Low RDS(on) in a TO-220 Package

Available in isolated (TO-220F) and non-isolated (TO-220AB) packages



Product Attributes, Parametrics & Datasheets

| Product | Type | Package | Drain-Source Voltage VDS | Max. Drain-Source On-Resistance RDS(ON) | Mounting Type | Datasheet |
|-----------------------------|------------------------|-------------|--------------------------|---|---------------|----------------------|
| MSJPFR20N60 | N-Channel Power MOSFET | TO-220AB(H) | 600V | 193mΩ | Through-hole | Info |
| MSJPFR20N60 | N-Channel Power MOSFET | TO-220F | 600V | 193mΩ | Through-hole | Info |

Applications:



Industrial

- Power supplies
- AC-DC converters



Motor Controls

- Motor drives



High-Voltage Switching

- High-voltage switching applications

CONTACT MCC TO REQUEST A SAMPLE

mccsemi.com | +818.701.4933

