Reliable Power Solution: MCC's 20V Dual N-Channel MOSFET

20V DUAL N-CHANNEL MOSFET

Features

- AEC-Q101 qualified
- Dual N-channel, 20 V MOSFETs
- Trench Power LV MOSFET technology
- High-density cell design for Low RDS(on): 25 mΩ (typical) and higher current capability
- Excellent thermal performance with exposed pad for heat dissipation
- Operation up to 175°C junction temperature

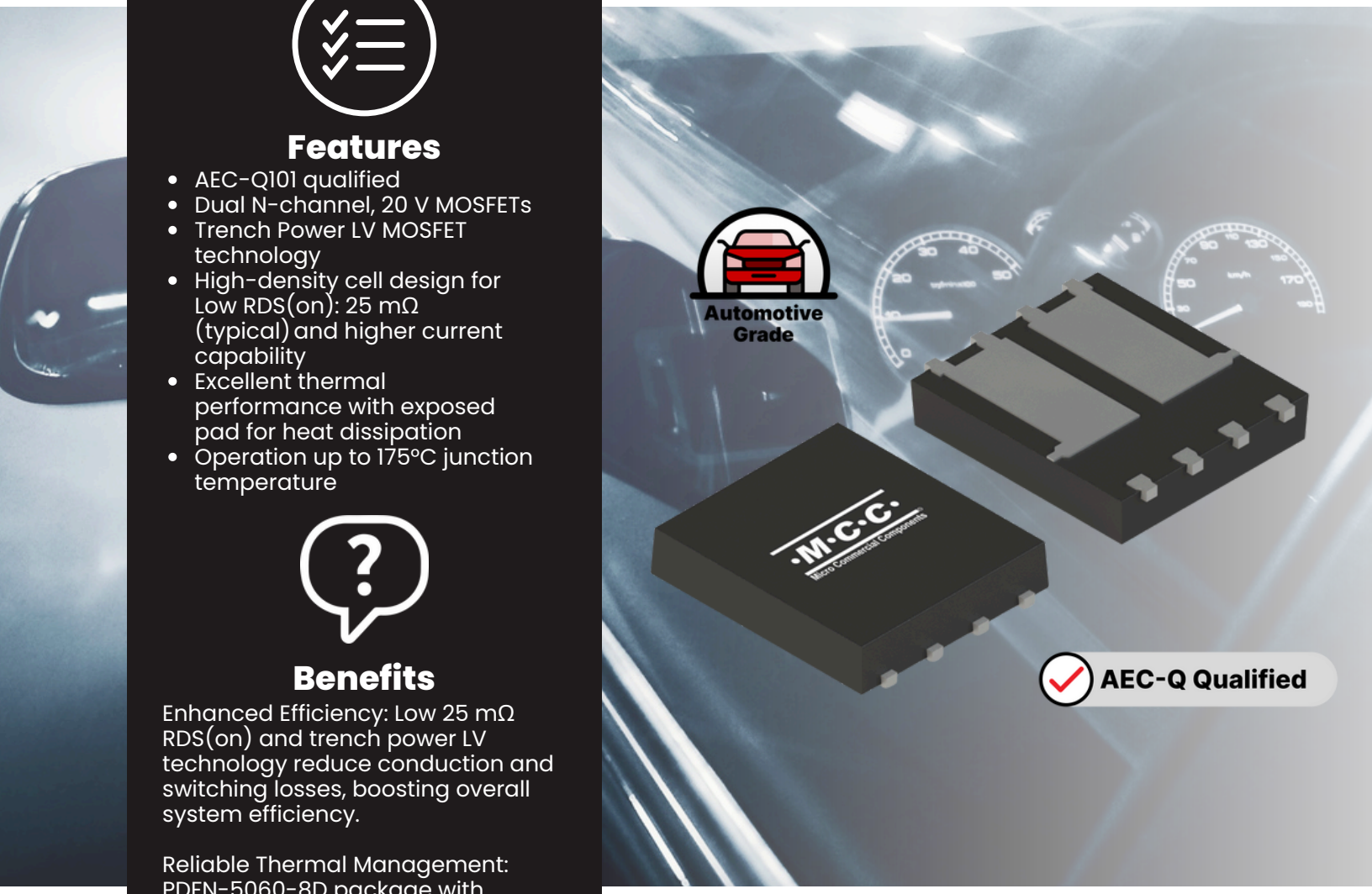
Benefits

Enhanced Efficiency: Low 25 mΩ RDS(on) and trench power LV technology reduce conduction and switching losses, boosting overall system efficiency.

Reliable Thermal Management: PDFN-5060-8D package with exposed thermal pad provides strong heat dissipation, supporting stable operation ≤175°C junction temperature.

Applications

PWM drivers | Motor control stages | Hot-swap controllers



AEC-Q101 Certified Dual 25mΩ N-Channel MOSFET in PDFN-5060-8D Package

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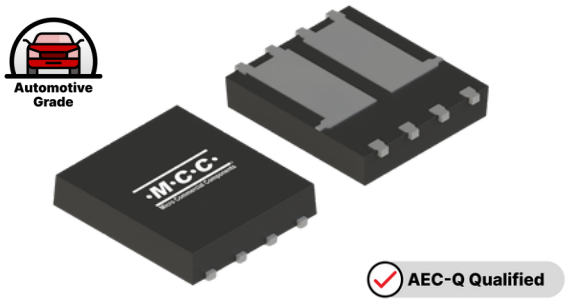
Micro Commercial Components

20V Dual N-Channel MOSFET

Offers a 175°C Operating Junction Temperature and High Current Density



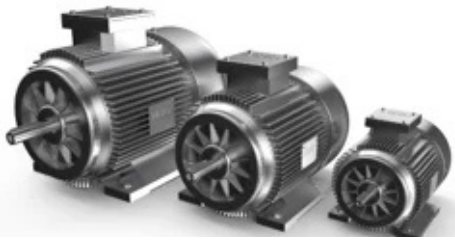
Product Attributes, Parametrics & Datasheets

Product	Type	Package	Drain-Source Voltage VDS (V)	Gate-Source Voltage VGS (V)	Datasheet
MCACD033N06Q	Dual N-Channel MOSFET	PDFN5060-8D	60	±20	Info

Applications

Automotive

- Load switches H-bridge motor drivers
- Automotive relays/loads replacement
- PWM drivers
- Hot-swap circuits



Industrial and Automation

- PLC output drivers
- Motor control stages
- Hot-swap and protection modules for industrial boards
- High-side/low-side switching in factory equipment

Networking and Telecom

- Hot-swap controllers for line cards and modules
- Power distribution switching for routers and base stations

CONTACT MCC TO REQUEST A SAMPLE

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