Micro Commercial Components

Superior Automotive Performance & Low RDS(on)

60V AUTO-GRADE N-CHANNEL MOSFET

Features

- AEC-Q101 qualified
- Low on-resistance of 5.5mΩ
- Operating junction temperature capability up to 175°C
- Low gate charge (QG)
- DFN3333-8(SWF) package with side-wettable flanks

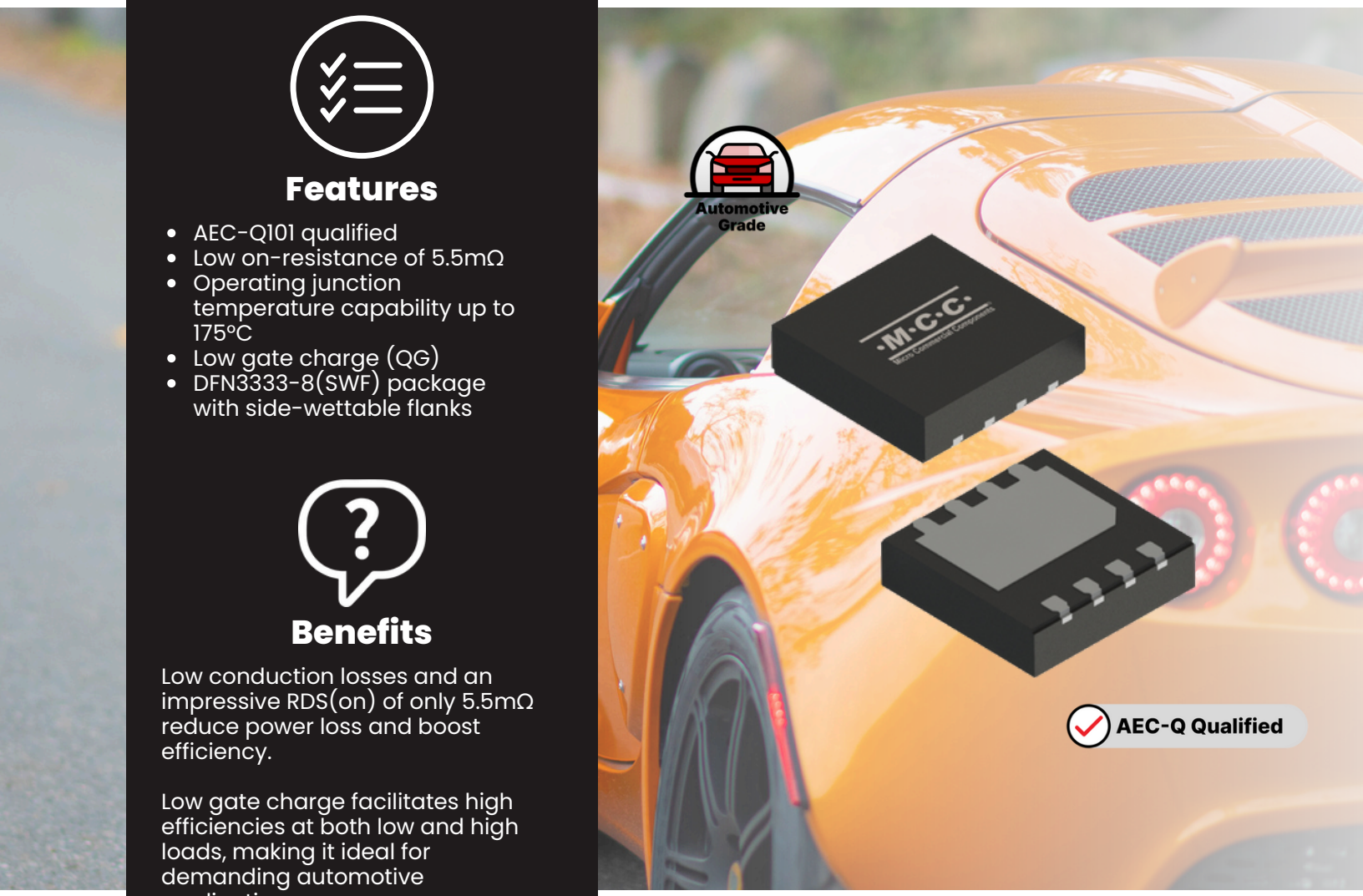
Benefits

Low conduction losses and an impressive RDS(on) of only 5.5mΩ reduce power loss and boost efficiency.

Low gate charge facilitates high efficiencies at both low and high loads, making it ideal for demanding automotive applications.

Applications

- Battery management systems (BMS)
- Climate control systems
- Lighting controls



Engineered for Efficiency

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60V Auto-Grade N-Channel MOSFET

Low-Profile Package & Low Gate Charge (QC)

Product Attributes, Parametrics & Datasheets

Product	Type	Package	Drain-SourceVoltage VDS	Drain-SourceOn-Resistance (max.)RDS(on)	Mounting Type	Datasheet
MCGWF5D5N06YLHE3	N-Channel Power MOSFET	DFN3333-8(SWF)	60V	5.5mΩ	Surface-Mount (SMD)	Info

Applications:

Power Management

- DC-DC converters
- Load switching
- Battery management systems (BMS)

Automotive Control Systems

- Seat control systems
- Electric power steering (EPS)
- Climate control systems
- Infotainment systems

Motor Controls

- Motor drives
- Electric vehicle (EV) drive systems
- Robotics and automation

Lighting

- Lighting controls
- LED drivers

CONTACT MCC TO REQUEST A SAMPLE

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