

60V N-Channel MOSFET



Features

- AEC-Q101 Qualified
- SGT Technology
- Superior Thermal Performance
- Low RDS(on)
- High Power Density TOLL-8L Package
- High Junction Temperature

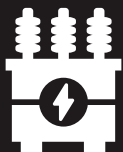


Benefits

Our 60V auto-grade N-channel MOSFET in TOLL package offers enhanced reliability and efficiency, with optimal thermal management for stable operation in automotive applications.

Its compact design and high power output suit space-constrained automotive environments perfectly.

Applications



DC-DC
Converters

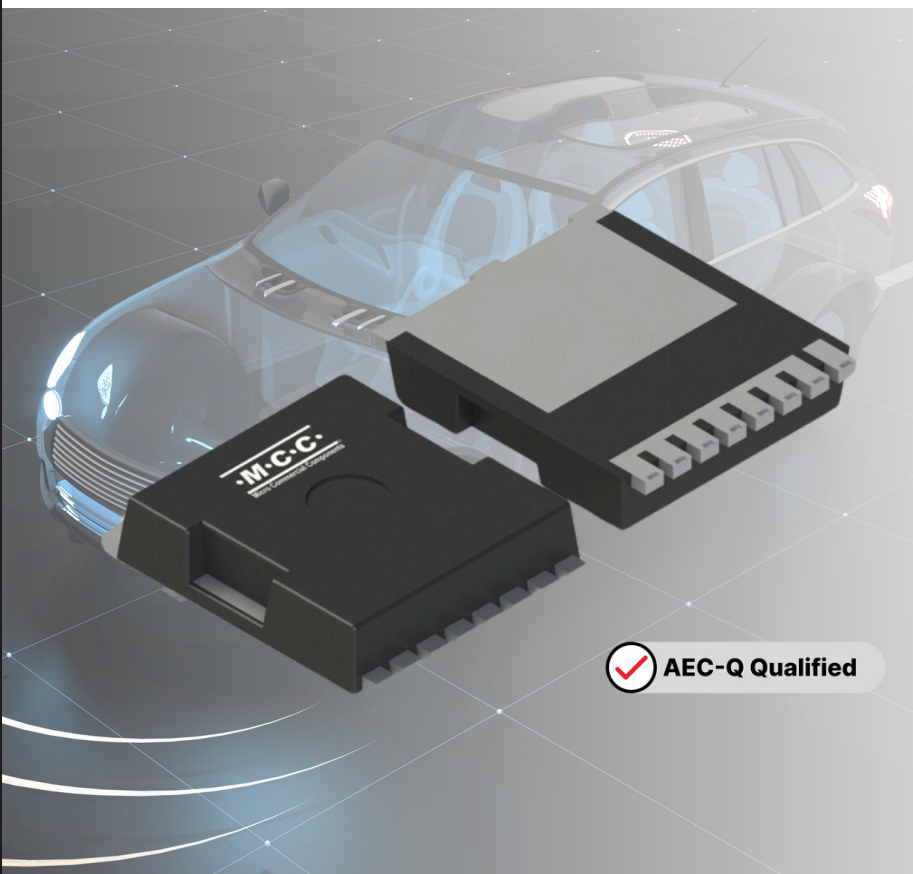


Lighting
Controls



Seat Control
Systems &
Motor Drives

Transforming Performance: MCC's Auto-Grade 60V N-Channel MOSFET



TOLL-8L Package Delivers Unmatched Power Density in a Compact Footprint

Compact 60V MOSFET ideal for diverse automotive applications with limited space



Product Attributes, Parametrics & Datasheet

Product	Type	Package	Drain-Source Voltage VDS	Drain-Source On-Resistance RDS (ON)	Mounting Type	Datasheet
MCTL150N06YHE3	N-Channel Power MOSFET	TOLL-8L	60V	2.4mΩ	Surface-Mount (SMD)	Info

Applications:



DC-DC Converters

- Enhanced reliability
- Efficient conversion of power
- Stable output and optimization



Electric Power Steering (EPS) & Electric Water Pumps

- Optimal EPS power distribution
- Enhanced EPS efficiency and responsiveness
- Reliable power delivery for water pump operations
- Improved efficiency and durability in electric water pump applications



Lighting Controls

- Precision control for auto lighting applications
- Increased energy efficiency
- Enhanced safety features in automotive circuitry



Seat Control Systems & Motor Drives

- Robust power handling capabilities
- Consistent operation and reliability in motor drives
- Precise control and management of seat adjustment systems
- Seamless integration for enhanced user experience and comfort

CONTACT MCC TO REQUEST A SAMPLE

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