

Meet MCC's Automotive-Grade Overachiever: The 40V N-Channel MOSFET

MCACL320N04YQ-TP

AEC-Q101 qualified MOSFET



Features

- Advanced split-gate trench (SGT) technology
- Full automotive qualification to AEC-Q101
- DFN5060 package provides excellent heat dissipation
- High-density cell design for low RDS(on)
- Epoxy meets UL 94 V-0 Flammability Rating



Benefits

Designed with split-gate trench technology and a high-density cell to reduce RDS(on), this component minimizes losses and enhances power management.

The N-channel MOSFET is AEC-Q101 qualified, ensuring safety, reliability, durability, and adherence to the Automotive industry's strict standards.

Applications



DC-DC
Converters



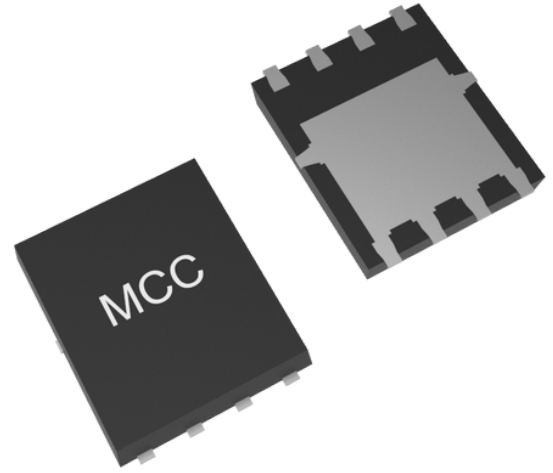
Motor
Controls



Solar Panel
Charging

AEC-Q101 Qualification Isn't the Only Advantage for this Advanced Component

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Parametrics & Datasheets:

Product	TYPE	Package	Drain-Source Voltage (VDS)	Current – Continuous Drain (Id) @ 25C	Mounting Type	Data Sheet
MCACL320N04YQ-TP	N-Channel MOSFET	DFN5060	40V	320A	Surface Mount	Info

Applications:



- Electronics and instrumentation
- Lighting systems
- DC-DC converters
- Battery management systems (BMS)

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- Uninterrupted power supplies (UPS)
- Motor drives
- HVAC systems
- DC-DC converters
- Industrial automation
- Power distribution units (PDUs)

- Inverters
- Solar power systems
- Renewable energy systems
- Energy storage systems (ESS)

CONTACT MCC TO REQUEST A SAMPLE

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