

MCC Expands Robust Auto Portfolio with New 60V N-Channel Power MOSFETs

MCU75N06YHE3-TP
MCG60N06YHE3-TP
MCAC65N06YHE3 - TP

AEC-Q101 qualified Power MOSFET



Features

- Split-gate trench (SGT) MOSFET technology
- AEC-Q101 qualified
- Superior performance and functionality
- Flexibility in design with DPAK, DFN333, and DFN5060 packages
- Optimal power flow
- Reduced power losses
- Suitable for high-performance auto applications
- High-density cell design for ultra-low RDS(on)
- Lead-free finish/RoHS-compliant



Benefits

With an on-resistance as low as 4.8mΩ, these MOSFETs ensure optimal power flow and enhance efficiency by reducing power losses.

These N-channel MOSFETs use SGT technology to provide superior performance and functionality compared to standard MOSFET technology.

Applications



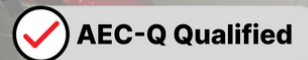
Electrical Water Pumps



Electrical Seat Controls

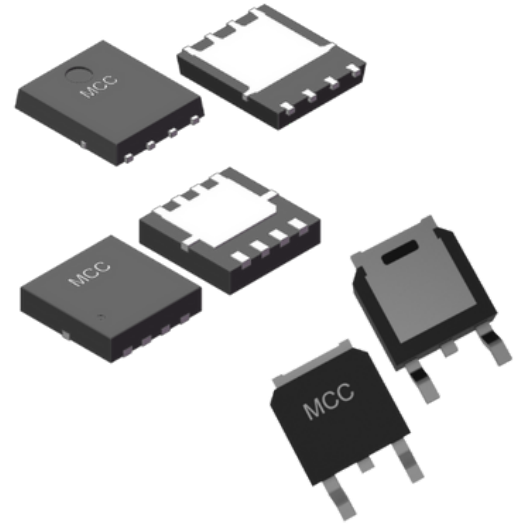


Lighting Systems



**Versatility and Performance in Three In-Demand Packages:
DFN333, DFN5060, and DPAK**

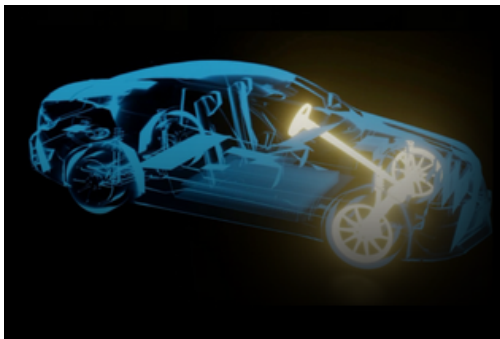
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Parametrics & Datasheets:

Product	TYPE	Package	Drain-Source Voltage (VDS)	Current – Continuous Drain (Id) @ 25C	Mounting Type	Datasheet
<u>MCC75N06YHE3-TP</u>	N-Channel Power MOSFET	DPAK	60V	75A	Surface-Mount (SMD)	<u>Info</u>
<u>MCC60N06YHE3-TP</u>	N-Channel Power MOSFET	DFN3333	60V	60A	Surface-Mount (SMD)	<u>Info</u>
<u>MCC65N06YHE3-TP</u>	N-Channel Power MOSFET	DFN5060	60V	65A	Surface-Mount (SMD)	<u>Info</u>

Applications:



Chassis & Cooling Systems



Body Electronics



Lighting

- Electric power steering (EPS)
- Electric water pumps
- Fan motor drives

- Electric seat controls
- Door locks

- Lighting systems
- Interior LED lighting
- Exterior LED lighting

CONTACT MCC TO REQUEST A SAMPLE

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