

Robust Power Management for Automotive & Beyond: MCC's 100V MOSFET

100V MOSFET AEC-Q101



Features

- AEC-Q101 qualification drives confidence
- Split-gate trench (SGT) technology enhances performance
- RDS(on) of only 11mΩ boosts efficiency
- 62A current capability ensures performance
- Compact DPAK package saves space and money
- Junction temperature up to 175°C for reliability in harsh conditions



Benefits

Designed with on-resistance of only 11mΩ, this MOSFET minimizes power losses during operation and boosts overall system efficiency.

An operating junction temperature capability of up to 175°C and AEC-Q101 qualification ensure reliable performance under high-temp conditions found in automotive environments.

Applications



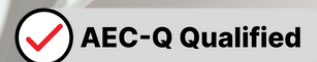
Lighting Controls



Motor Controls

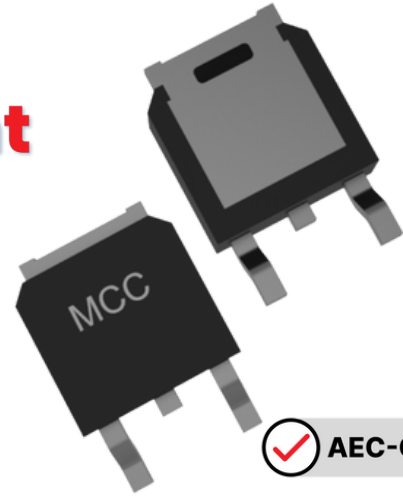


Consumer Devices



AEC-Q101 Qualification and Compact DPAK Package Drive Ideal Performance

Robust Power Management for Automotive & Beyond: MCC's 100V MOSFET in SMA Package



Parametrics & Datasheet:

Product	TYPE	Package	Drain-Source Voltage (VDS)	Drain-Source On-Resistance (RDS(ON))	Continuous Drain Current (ID)	Datasheet
MCU62N10YHE3	N-Channel MOSFET	DPAK	100V	11mΩ	62A	Info

Applications:



Automotive

- Battery management systems (BMS)
- Lighting controls
- Motor drives
- DC-DC converters



Industrial

- Power supply units (PSUs)
- Motor controls



Renewable Energy

- Solar inverters
- Wind power converters



Consumer

- Consumer devices
- Portable chargers

CONTACT MCC TO REQUEST A SAMPLE

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