

Upgrade Auto Performance with MCC's Ultra-Low RDS(on) Power MOSFETs

Ultra-Low RDS(on) Power MOSFETs



Features

- AEC-Q101 qualified for reliability
- Advanced split-gate trench (SGT) technology
- Excellent thermal performance & efficiency
- Low RDS(on) minimizes power losses
- High power density package
- High junction temperature up to 175°C
- Compact DFN5060 package saves space and material costs



Benefits

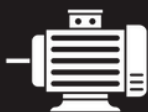
Maximize energy efficiency and minimize power losses with RDS(on) as low as 0.8mΩ and exceptional thermal performance.

Ensure reliable operation in demanding conditions and high junction temperatures up to 175°C thanks to AEC-Q101 qualification and robust design.

Applications



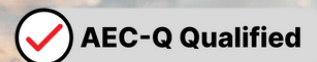
Lighting Controls



Motor Drives



Solar Power Systems



40V & 60V N-Channel Options in a Compact DFN5060 Package

Upgrade Auto Performance with MCC's Ultra-Low RDS(on) Power MOSFETs in SMA Package



Parametrics & Datasheets:

| Product | TYPE | Package | Drain-Source Voltage (VDS) | Drain-Source On-Resistance RDSON (Max @VGS=10V) | Mounting Type | Datasheet |
|--|------------------|---------|----------------------------|---|---------------|----------------------|
| MCACL220N06YHE3 | N-Channel MOSFET | DFN5060 | 60V | 1.6mΩ | Surface Mount | Info |
| MCACL2D5N06YL | N-Channel MOSFET | DFN5060 | 60V | 2.5mΩ | Surface Mount | Info |
| MCACL280N04YHE3 | N-Channel MOSFET | DFN5060 | 40V | 0.8mΩ | Surface Mount | Info |
| MCACL330N04YHE3 | N-Channel MOSFET | DFN5060 | 40V | 1.0mΩ | Surface Mount | Info |

Applications:



Automotive



Industrial



Renewable Energy

- Battery management systems
- Electric power steering
- Seat controls
- Lighting controls

- Electric water pumps
- Motor drives
- DC-DC converters
- Uninterruptible power supplies (UPS)

- Solar power systems

CONTACT MCC TO REQUEST A SAMPLE

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