

## 40V LOW RDS(ON) MOSFETS



### Features

- Split-gate trench (SGT) MOSFET technology ensures efficiency
- Low on-resistance of 4.8mΩ enables minimal power consumption
- Low conduction losses boost overall system performance
- AEC-Q101 qualified option meets stringent automotive standards



### Benefits

Engineered for challenging environments, with operating junction temperature capability, up to 175°C.

High power density PDFN3333 package saves space without sacrificing performance.

### Applications



Power supply units



In-vehicle infotainment systems



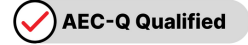
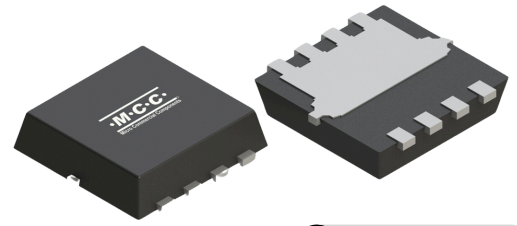
Solar inverters

## Robust Auto & Industrial Solutions: MCC's 40V Low RDS(on) MOSFETs



## Compact PDFN3333 Package Ideal for Tough Environments

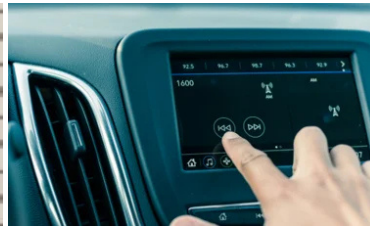
# Ultimate Efficiency for Diverse, Space- Constrained Designs



## Product Attributes, Parametrics & Datasheets

Product	Type	Package	Drain-Source Voltage	Drain-Source On-Resistance RDS(on)(max)	Mounting Type	Datasheet
<a href="#">MCG4D8N04YHE3</a>	N-Channel MOSFET	PDFN3333	40V	4.8mΩ	Surface-Mount (SMD)	<a href="#">Info</a>
<a href="#">MCG4D8N04Y</a>	N-Channel MOSFET	PDFN3333	40V	4.8mΩ	Surface-Mount (SMD)	<a href="#">Info</a>

## Applications:



### Industrial

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

### Consumer

- Power supply units
- Inverter systems

### Automotive

- Advanced driver assistance systems (ADAS)
- In-vehicle infotainment systems
- Thermal management systems

### Renewable Energy

- Solar inverters
- Wind turbine controllers

**CONTACT MCC TO REQUEST A SAMPLE**

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