

Compact, Low RDS(on) 30V N-Channel MOSFET

30V N-Channel MOSFET



Features

- **SGT Technology:** Advanced efficiency and performance
- **Enhanced Thermal Performance:** Optimized heat dissipation for reliability
- **Low RDS(on):** Minimizes power losses for improved efficiency
- **High Power Density Package:** Compact PDFN3333 design allows for versatile applications
- **High Operating Junction Temperature:** Rated up to 175°C for demanding environments



Benefits

Our impressive MOSFET lineup: 30V N-Channel MCGL2DIN03YL is designed to deliver exceptional thermal performance with low power losses.

This MOSFET utilizes advanced clip bonding technology in a compact package that measures just 3.3mm x 3.3mm, eliminating space as a design constraint.

Applications



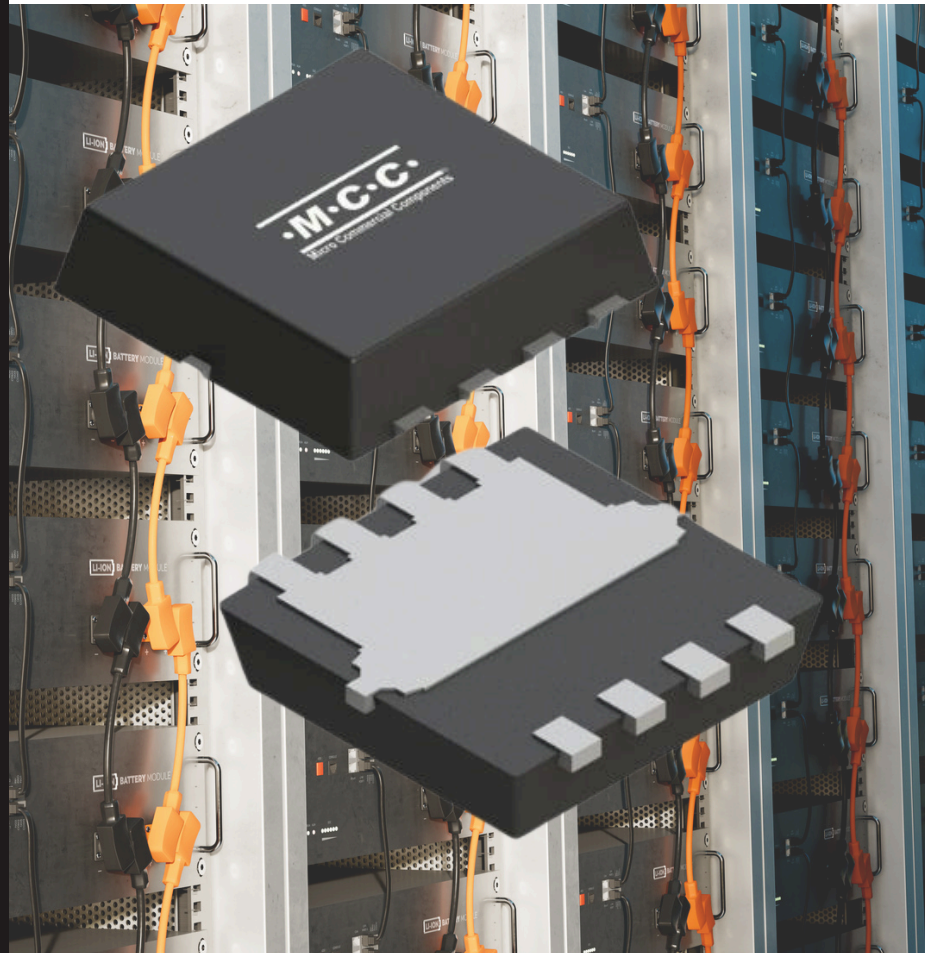
Power Management



Motor Controls

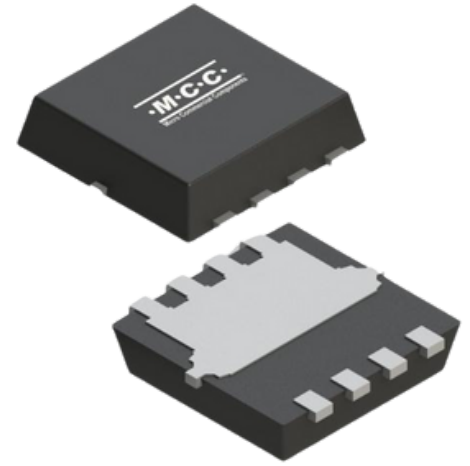


Lighting Solutions



High Power Density and Efficient Performance in a PDFN3333 Package

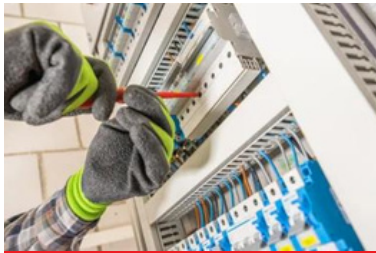
**On-resistance of only 2.1 mΩ
and a high operating
junction temperature
of up to 175°C**



Product Attributes, Parametrics & Datasheet

Product	Type	Package	Drain-Source Voltage VDS	Drain-Source On-Resistance RDS (ON)	Mounting Type	Datasheet
MCGL2DIN03YL	N-Channel Power MOSFET	PDFN3333-B	30V	2.1 mΩ	Surface-Mount (SMD)	Info

Applications:



Power Management

- **Battery Management Systems:** Efficiently controls and monitors battery performance.
- **DC-DC Converters:** Facilitates voltage conversion for power supply applications.



Motor Controls

- **Motor Drives:** Enables precise control and operation of electric motors.



Lighting Solutions

- **Lighting Control:** Provides effective management and control in lighting systems



Switching Applications

- **Low-Side Switches:** Supports reliable switching operations in various electronic circuits.

CONTACT MCC TO REQUEST A SAMPLE

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