

100V, LOW RDS(ON) N-CHANNEL MOSFETS



Features

- Low RDS(on) of 7.5mΩ improves power efficiency
- High power density package promotes space-constrained applications
- Low gate charge enhances energy efficiency
- High current handling capacity delivers robust operation



Benefits

Faster switching boosts overall system function for a range of applications.

Compact leadless DFN5060 and leaded DPAK options cater to a range of design needs.

Applications



LED drivers

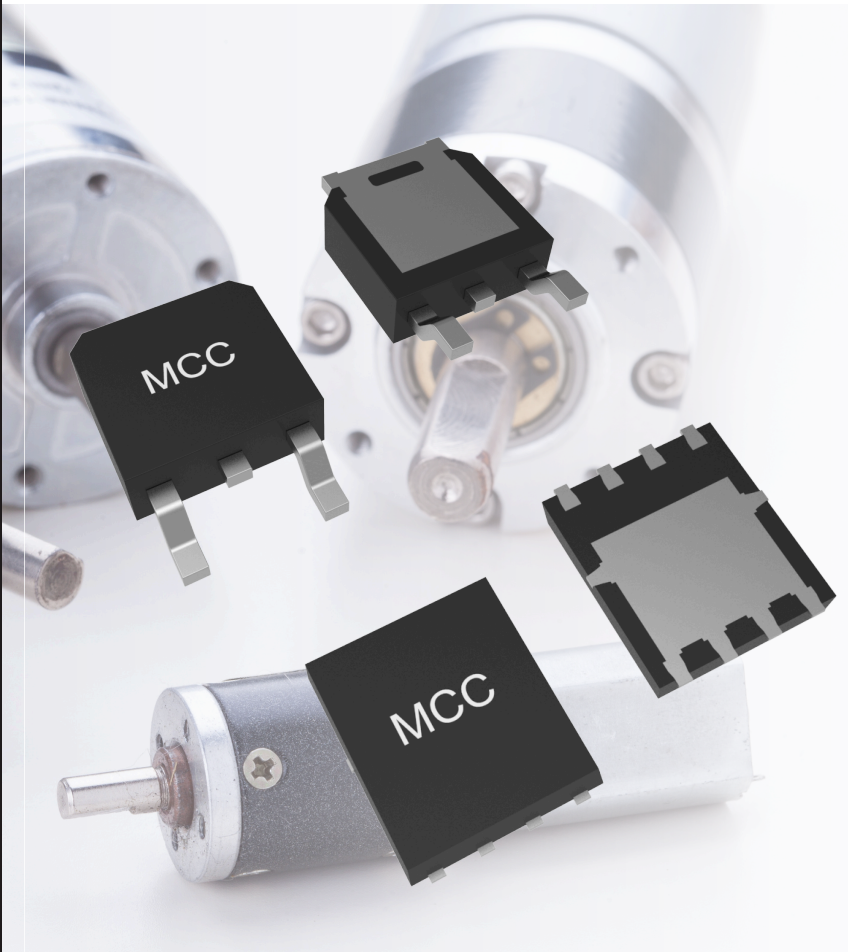


Brushless DC
motor power
stages



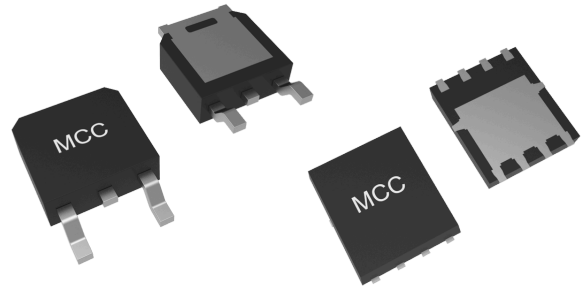
Phase
switching
circuitry

Optimizing Efficiency & Versatility: MCC's 100V, 7.5mΩ N-Channel MOSFETs



Leadless and Leaded Packages Ideal for New Designs & Upgrades

Ensures Fast, Reliable Switching



Product Attributes, Parametrics & Datasheets

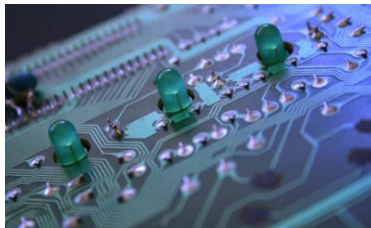
Product	Type	Package	Drain-Source Voltage VDS	Drain-Source On-Resistance RDS(ON) @VGS=10V	Mounting Type	Datasheet
MCU7D5N10YL	N-Channel Power MOSFET	DPAK (TO-252)	100V	7.5mΩ	Surface-Mount (SMD)	Info
MCAC7D5N10YL	N-Channel Power MOSFET	DFN5060	100V	7.5mΩ	Surface-Mount (SMD)	Info

Applications:



Energy Management

- Charging & discharging circuitry
- Protection circuitry
- Pre-charge circuitry



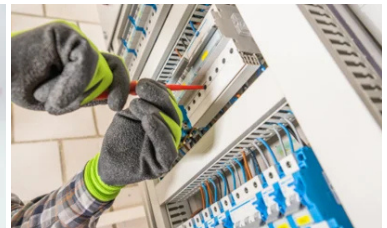
Lighting and Power Control

- LED drivers
- Dimming circuits
- Power supply units for lighting fixtures



Industrial Automation

- Brushless DC motor power stages
- SR motor drivers



Communications Systems

- Phase switching circuitry
- Synchronous rectification circuitry

CONTACT MCC TO REQUEST A SAMPLE

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