

TOLT-Package MOSFETs: Topside Cooling for High-Current Power Designs

TOPSIDE COOLING TOLT MOSFET



Features

- 100 V MOSFET with very low on-resistance (1.7 mΩ max)
- TOLT package with topside cooling and exposed drain pad
- Direct heat flow to the heatsink, reducing PCB heat stress
- Low thermal resistance for efficient heat removal
- Slim package for compact designs
- Designed to withstand thermal cycling in harsh environments
- Handles high current with minimal derating at higher temperatures



Benefits

Improved system reliability: Cooler operation reduces thermal stress, extending component and system lifetime.

Simplified thermal design: Topside cooling enables easier heatsinking and higher power density in smaller form factors.

Applications



Motor
Control
Units



Voltage
Regulator
Modules

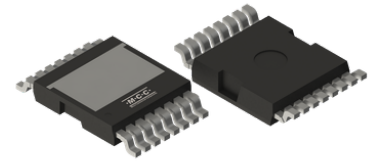


Cordless
Tool



Topside-Cooled MOSFETs for Rugged, High-Density Power Systems

TOLT Technology for Efficient Thermal Control



Product Attributes, Parametrics & Datasheets

Product	Type	FET Type	Package	Drain-Source Voltage VDS (V)	Current - Continuous Drain (Id) @ 25°C	RDS(on) Max @VGS =10V (Ω)	Datasheet
MCTTID7N10Y	Power MOSFET	N-Channel	TOLT	100V	330A	0.0017	Info

Applications



Industrial Motor Drives

- BLDC Inverters
- Motor Control Units (MCUs)



Server & Telecom Power Systems

- Voltage Regulator Modules (VRMs)
- High-Density DC-DC Converters



Power Tools

- Forklifts & Material Handling Equipment
- Garden Equipment & Cordless Tool

CONTACT MCC TO REQUEST A SAMPLE

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