

# MCC's 600V MOSFETs: Drive Performance and Fast Recovery

## 600V MOSFETs



### Features

- Superjunction MOSFET technology
- Low on-resistance
- Low conduction losses
- Low gate charge
- Integrated fast recovery diode
- High-speed switching
- Versatile packages:
  - Enables design flexibility with through-hole (TO-247) and SMD with Kelvin Source (TOLL-8L-KS) options

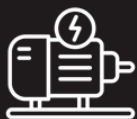


### Benefits

Our three 600V MOSFETs are ideal for high-voltage applications, [MSJWFR60N60](#), [MCTK075N60FH](#), and [MCTK105N60FH](#)

Feature on-resistance in the sub-100mΩ range – with options as low as 30mΩ – to significantly reduce conduction losses and ensure efficient power delivery.

### Applications



Industrial



Power  
Electronics

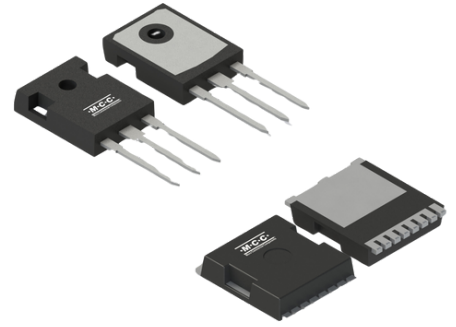


Renewable



## Engineered for Efficiency with Low RDS(on) & High-Speed Switching

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## Product Attributes, Parametrics & Datasheets

Product	Type	Package	Drain-Source Voltage VDS	Drain-Source On-Resistance RDS(on)	Gate-Continuous Drain Current ID	Mounting Type	Datasheet
<a href="#">MSJWFR60N60</a>	N-Channel Power MOSFET	TO-247AB	600V	30mΩ	58A	Through-Hole	<a href="#">Info</a>
<a href="#">MCTK075N60FH</a>	N-Channel Power MOSFET	TOLL-8L-KS	600V	75mΩ	19.5A	Surface-Mount (SMD)	<a href="#">Info</a>
<a href="#">MCTK105N60FH</a>	N-Channel Power MOSFET	TOLL-8L-KS	600V	95mΩ	17.5A	Surface-Mount (SMD)	<a href="#">Info</a>

## Applications:



### Industrial

- Power supplies
- AC-DC converters
- Motor drives

### Power Electronics

- AC-DC converters
- Charging adaptors
- LED drivers
- Power management systems

### Renewable

- Solar micro-inverters
- Energy storage systems (ESS)

**CONTACT MCC TO REQUEST A SAMPLE**

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