

40V N-CHANNEL POWER MOSFET



Features

- Advanced split-gate trench (SGT) technology boosts performance
- Low $R_{DS(on)}$ of $0.62m\Omega$ ensures minimal energy consumption
- Capable of handling operating junction temperatures up to $175^{\circ}C$
- Excellent performance in demanding thermal environments
- Compact LPAK56E package provides a space-saving solution



Benefits

Engineered with the ideal combination of advanced features for maximizing efficiency in high-power applications.

This component boasts a compact, yet powerful design for wide application versatility.

Applications



Motor drives

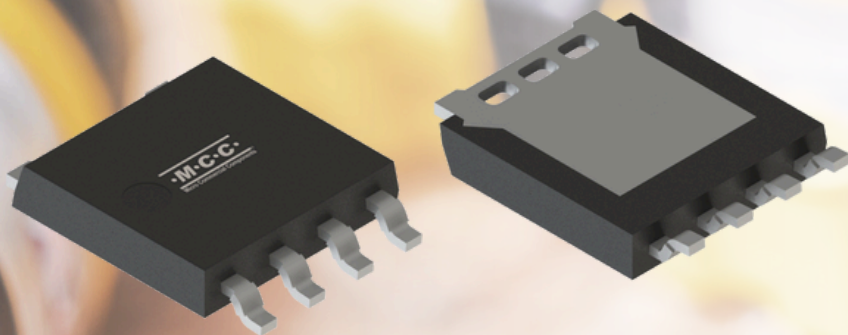


Power tools



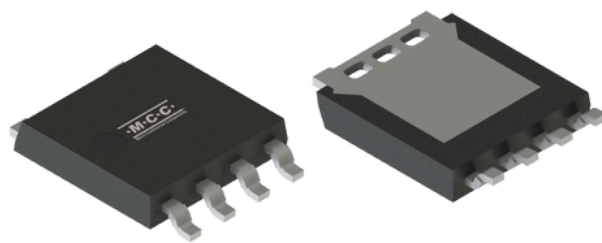
Heating systems

Meet MCC's First 40V N-Channel Power MOSFET in the LPAK56E Package



Unmatched Efficiency and Reliability for Diverse High-Power Applications

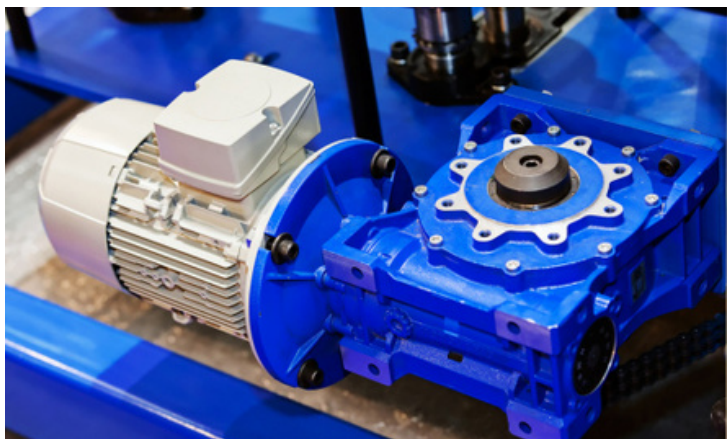
Compact & Versatile Solution with Superior Thermal Performance



Product Attributes, Parametrics & Datasheets

<u>Product</u>	<u>Type</u>	<u>Package</u>	<u>Drain-Source Voltage VDS</u>	<u>Drain-Source On-Resistance RDS(ON) (max.)</u>	<u>Mounting Type</u>	<u>Datasheet</u>
MCACLF320N04Y	N-Channel Power MOSFET	LFPAK56E	40V	0.62mΩ	Surface-Mount (SMD)	Info

Applications:



Industrial

- Motor drives
- DC-DC converters
- Power tools
- Battery management systems
- Lighting control systems



Consumer

- Heating systems

CONTACT MCC TO REQUEST A SAMPLE

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