

MCC Amplifies Performance with 1200V SiC MOSFETs in TO-247 Packages

1200V SiC MOSFETs



Features

- High-power capability: 1200V MOSFET with SiC technology
- Fast, reliable switching
- Enhanced performance
- Wide on-resistance selection: ranging from 21mΩ to 120mΩ (typ.)
- Efficiency: Superior thermal properties and low switching losses
- Durability: Avalanche ruggedness
- Versatility: TO247 3-pin and 4-pin package options



Benefits

Our MOSFETs are available in 3-pin and 4-in (Kelvin source) configurations and meet the rising demand for high-power, high-voltage applications.

Boasting exceptional on-resistance values from 21mΩ to 120mΩ (typ.) and fast switching speeds.

Applications



Industrial



Energy

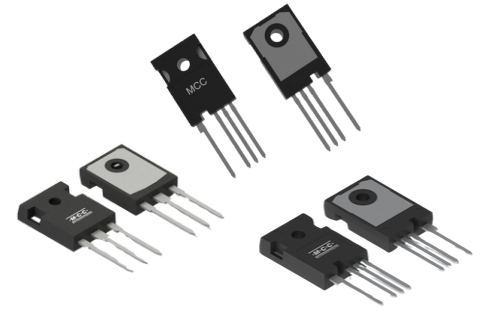


UPS and Data Centers



Leveraging Efficiency, Ruggedness & Design Flexibility

Experience Unmatched Efficiency and Ruggedness in Power Solutions



Product Attributes, Parametrics & Datasheets

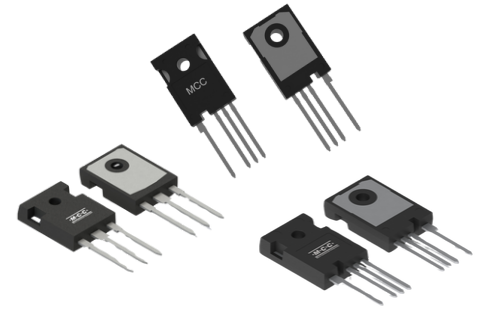
Product	Type	Package	Drain-Source Voltage(VDS)	Continuous Drain Current(ID)	Typ. Drain-Source On-Resistance RDS(ON)	Mounting Type	Datasheet
SICW040N120H4	SiC MOSFET	TO-247-4	1200V	62A	40mΩ	Through-Hole	Info
SICW040N120H	SiC MOSFET	TO-247AB	1200V	62A	40mΩ	Through-Hole	Info
SICW080N120H4	SiC MOSFET	TO-247-4	1200V	33A	80mΩ	Through-Hole	Info
SICW021N120P4	SiC MOSFET	TO-247-4L	1200V	100A	21mΩ	Through-Hole	Info
SICW080N120H	SiC MOSFET	TO-247AB	1200V	33A	80mΩ	Through-Hole	Info
SICW021N120P	SiC MOSFET	TO-247AB	1200V	100A	21mΩ	Through-Hole	Info
SICW025N120H4	SiC MOSFET	TO-247-4	1200V	86A	25mΩ	Through-Hole	Info
SICW120N120H4	SiC MOSFET	TO-247-4	1200V	24A	120mΩ	Through-Hole	Info
SICW025N120H	SiC MOSFET	TO-247AB	1200V	86A	25mΩ	Through-Hole	Info
SICW120N120H	SiC MOSFET	TO-247AB	1200V	24A	120mΩ	Through-Hole	Info

CONTACT MCC TO REQUEST A SAMPLE

mccsemi.com | +818.701.4933



Versatile 1200V SiC MOSFETs: Designed for Demanding Applications



MCC Semi's new 1200V SiC MOSFETs are designed to ensure top performance and reliability in demanding environments.

Applications:



Industrial

- Motor drives
- Welding equipment
- Power supplies



Energy

- Renewable energy systems
- Charging infrastructure



UPS and Data Centers

- Uninterruptible power supply (UPS) systems
- Cloud systems

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