

Product Overview

NTBS9D0N10MC: MOSFET - Single N-Channel 100 V, 9.0 mΩ , 60 A

For complete documentation, see the data sheet.

MOSFET - Single N-Channel 100 V, 9.0 mΩ , 60 A

Features

- Low RDS(on) to Minimize Conduction Losses
- Low QG and Capacitance to Minimize Driver Losses
- Lowers Switching Noise/EMI
- These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant

Applications

- Power Tools, Battery Operated Vacuums
- UAV/Drones, Material Handling
- BMS/Storage, Home Automation
- Synchronous Rectification for ATX / Server / Telecom PSU
- Motor Drives and Uninterruptible Power Supplies

Benefits

- Optimized Switching performance
- Industry's Lowest Qrr and softest Body-Diode for superior low noise switching
- High efficiency with lower switching spike and EMI
- Improved switching FOM particularly Qgd

End Products

- Power Tools, Battery Operated Vacuums
- UAV/Drones, Material Handling
- BMS/Storage, Home Automation
- Synchronous Rectification for ATX / Server / Telecom PSU
- Motor Drives and Uninterruptible Power Supplies

Part Electrical Specifications

| Product | Pricing (\$/Unit) | Compliance | Status | Channel Polarity | Configuration | V _{DSS} (BR) Min (V) | V _{GS} Max (V) | V _{GS(th)} Max (V) | I _D Max (A) | P _D Max (W) | R _{DS(on)} Max @ V _{GS} = 2.5 V (mΩ) | R _{DS(on)} Max @ V _{GS} = 4.5 V (mΩ) | R _{DS(on)} Max @ V _{GS} = 10 V (mΩ) | Q _g Typ @ V _{GS} = 4.5 V (nC) | Q _g Typ @ V _{GS} = 10 V (nC) | C _{iss} Typ (pF) | Package Type | |
|--------------|-------------------|------------------------|--------|------------------|---------------|-------------------------------|-------------------------|-----------------------------|------------------------|------------------------|--|--|---|---|--|---------------------------|--------------|--------------------|
| NTBS9D0N10MC | 0.6882 | Pb-free Halide free | NEW | N-Channel | Single | 100 | ±20 | 4 | 60 | 68 | | | | 9 | | 23 | 1695 | D2PAK-3 / TO-263-2 |

For more information please contact your local sales support at www.onsemi.com.

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