

## 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
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### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channel Polarity	Configuration	$V_{(BR)DSS}$ 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	D2P AK-3 / TO-263-2

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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