

Product Overview

NTMFS6H801N: Single N-Channel Power MOSFET 80V, 153A, 2.8mΩ

For complete documentation, see the data sheet.

Commercial Power MOSFET in a 5x6mm flat lead package designed for compact and efficient designs and including high thermal performance.

Features

- Small Footprint (5x6 mm)
- Low RDS(on)
- Low QG and Capacitance
- RoHS Compliant

Applications

- Switching power supplies
- Power switches (High Side Driver, Low Side Driver, H-Bridges etc.)
- 48V systems
- Battery management and protection

Benefits

- Compact Design
- Minimize Conduction Losses
- Minimize Driver Losses

End Products

- Motor Control
- DC/DC converter
- Load Switch
- Synchronous Rectification
- Battery Packs and ESS

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 @ $V_{GS} = 2.5V$ (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 4.5V$ (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 10V$ (mΩ)	Q_g Typ @ $V_{GS} = 4.5V$ (nC)	Q_g Typ @ $V_{GS} = 10V$ (nC)	C_{iss} Typ (pF)	Package Type
NTMFS6H801NT1G	0.8666	Pb-free Halide free	Active	N-Channel	Single	80	20	4	203	3.8	-	-	2.1	-	85	5530	SO-8FL / DFN-5

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

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