

Product Overview

NTMFD5C470NL: Dual N-Channel Power MOSFET 40V, 36A, 11.5mΩ

For complete documentation, see the data sheet.

Industrial Power MOSFET in a 5x6 mm flat lead package designed for compact and efficient designs and including high thermal performance.

Features

- Low on resistance
- High current capability
- 100% avalanche tested
- Pb-Free
- Small footprint (5x6 mm)

Applications

- Motor Control
- Synchronous Rectification
- Power Switches (High Side Driver, Low Side Driver, H-Bridges etc.)
- Battery Management and Protection

Benefits

- Minimal conduction losses
- Robust load performance
- Safeguard against voltage overstress failures
- RoHS Compliant
- Compact Design

End Products

- Power Supplies
- Power Tools
- Rotary Drones
- Battery Packs and ESS

Part Electrical Specifications

Product	Compliance	Status	Chan- nel Polar- ity	Confi- gura- tion	V_{BRD} V_{SS} 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)	Pack- age Type
NTMFD5C470NLT1G	Pb-free Halide free	Active	N- Chan- nel	Dual	40	20	2.2	36	24	-	17.8	11.5	4	9	590	SO- 8FL Dual / DFN- 8

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

Created on: 9/19/2018