

Product Overview

NTMFD5C446NL: Dual N-Channel Power MOSFET 40 V, 145A, 2.65mΩ

For complete documentation, see the data sheet.

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

Features

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

Benefits

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

Applications

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

End Products

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

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{GS(Th)}$ 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
NTMFD5C446NLT1G	Pb-free Halide free	Active	N-Channel	Dual	40	20	2.2	145	62	-	3.9	2.65	25	54	3170	SO-8FL Dual / DFN-8

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

Created on: 9/19/2018