

Product Overview

NVMFD5C470NL: Dual N-Channel Power MOSFET 40V, 36A, 11.5mΩ

For complete documentation, see the data sheet.

Automotive Power MOSFET in a 5x6mm flat lead package designed for compact and efficient designs and including high thermal performance. Wettable Flank Option available for Enhanced Optical Inspection. AEC-Q101 Qualified MOSFET and PPAP capable suitable for automotive applications.

Features

- Small Footprint (5x6 mm) for Compact Design
- Low $r_{DS(on)}$ to Minimize Conduction Loss
- Low Q_G and Capacitance to Minimize Driver Losses
- NVMFD5C470NLWF - Wettable Flank Option for Enhanced Optical Inspection
- AEC-Q101 Qualified and PPAP Capable
- RoHS Compliant

Applications

- Solenoid driver
- Low side / high side driver

End Products

- Automotive engine controllers
- Antilock braking systems

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{(BR)D}$ 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)	Package Type
NVMFD5C470NLT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Dual	40	±20	2.2	32	24	-	Q1: 17.8, Q2: 17.8	Q1: 11.5, Q2: 11.5	5.7	9	590	SO-8FL Dual / DFN-8
NVMFD5C470NLWFT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Dual	40	±20	2.2	32	24	-	Q1: 17.8, Q2: 17.8	Q1: 11.5, Q2: 11.5	5.7	9	590	SO-8FL Dual / DFN-8

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

Created on: 3/1/2018