Product Overview

NVMFD5C672NL: Dual N-Channel Power MOSFET 60V, 49A, 11.9mΩ

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
- NVMFD5C672NLWF - 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	$V_{(BR)DSS}$ 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
NVMFD5C672NLT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Dual	60	±20	2.2	45	45	-	Q1: 16.8, Q2: 16.8	Q1: 11.9, Q2: 11.9	2	12	793	SO-8FL Dual / DFN-8
NVMFD5C672NLWFT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Dual	60	±20	2.2	45	45	-	Q1: 16.8, Q2: 16.8	Q1: 11.9, Q2: 11.9	2	12	793	SO-8FL Dual / DFN-8

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

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