

NVMFS5C670NL

Single N-Channel Power MOSFET 60V, 71A, 6.1mΩ

Product Overview

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

- Low RDS(on)
- Low QG and Gate capacitance
- Industry Standard Small Footprint 5x6mm Package
- NVMFS5C670NLWF - Wettable Flank Option
- AEC-Q101 Qualified and PPAP Capable
- RoHS Compliant

Applications

- Reverser Battery protection
- Switching power supplies
- Power switches (High Side Driver, Low Side Driver, H-Bridges etc.)

Benefits

- Minimize Conduction Losses
- Minimize Switching Losses
- Compact Design and Standard footprint for direct drop-in
- Enhanced Optical Inspection
- Automotive Design

End Products

- Solenoid Driver – ABS, Fuel injection
- Motor Control – EPS, Wipers, Fans, Seats, etc.
- Load Switch – ECU, Chassis, Body

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channel Polarity	Configuration	$V_{DS}^{(BR)}$ 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
NVMFS5C670N LAFT1G	0.2822		Active	N-Channel	Single	60	±20	2	71	61	-	8.8	6.1	9	20	1400	SO-8FL / DFN-5
NVMFS5C670N LWFAFT1G	0.329		Active	N-Channel	Single	60	±20	2	71	61	-	8.8	6.1	9	20	1400	DFN W5 5x6