



Product Overview

NVD5867NL: Power MOSFET 60V, 22A, 39 mOhm, Single N-Channel, DPAK, Logic Level.

For complete documentation, see the data sheet

Product Description

Automotive Power MOSFET. 60V, 22A, 39 mOhm, Single N-Channel, DPAK, Logic Level. AEC-Q101 Qualified MOSFET and PPAP capable suitable for automotive applications.

Features

- Low on resistance
- High current capability
- AEC-Q101 qualified
- 100% avalanche energy tested

Benefits

- Minimizes conduction losses
- Provides for robust load drive performance
- Suitable for automotive systems
- Safeguards against voltage overstress

Applications

- Automotive solenoid/relay driver
- Automotive lamp driver
- Automotive motor driver
- Automotive DC-DC converter output drivers
- Automotive infotainment systems

End Products

- Automotive engine controller units
- Automotive body controllers

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{DS(sat)}^{(BR)}$ Min (V)	$V_{GS}^{(max)}$ (V)	$V_{GS}^{(th)}$ Max (V)	$I_D^{(max)}$ (A)	$P_D^{(max)}$ (W)	$r_{DS(on)}^{(max)}$ @ $V_{GS} = 2.5V$ (m)	$r_{DS(on)}^{(max)}$ @ $V_{GS} = 4.5V$ (m)	$r_{DS(on)}^{(max)}$ @ $V_{GS} = 10V$ (m)	$Q_g^{(typ)}$ @ $V_{GS} = 4.5V$ (nC)	$Q_g^{(typ)}$ @ $V_{GS} = 10V$ (nC)	$Q_{gd}^{(typ)}$ @ $V_{GS} = 4.5V$ (nC)	$Q_{rr}^{(typ)}$ (nC)	$C_{iss}^{(typ)}$ (pF)	$C_{oss}^{(typ)}$ (pF)	$C_{rss}^{(typ)}$ (pF)	Packaging Type
NVD5867NLT4G	AEC Qualified	Active	N-Channel	Single	60	20	2.5	22	43		50	39		15	4.3	12	675	68	47	DPAK-3
	PPAP Capable																			
	Pb-free																			
	Halide free																			

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