



Product Overview

NVD5862N: Power MOSFET 60V, 98A, 5.7 mOhm, Single N-Channel, DPAK.

For complete documentation, see the data sheet

Product Description

Automotive Power MOSFET. 60V, 98A, 5.7 mOhm, Single N-Channel, DPAK. AEC-Q101 Qualified MOSFET and PPAP capable suitable for automotive applications.

Features	Benefits
<ul style="list-style-type: none"><li>Low on resistance</li><li>High current capability</li><li>100% Avalanche energy tested</li></ul>	<ul style="list-style-type: none"><li>Provides low conduction losses</li><li>Provides robust load performance</li><li>Safeguards against voltage overstress</li></ul>

Applications	End Products
<ul style="list-style-type: none"><li>Automotive Motor Drivers</li><li>Automotive Low and High Side Drivers</li></ul>	<ul style="list-style-type: none"><li>Automotive HVAC systems</li><li>Automotive Braking systems</li></ul>

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{DS(sat)}$ 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
NVD5862NT4G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	60	20	4	98	115			5.7		82	27	40	5050	500	300	DPAK-3

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