



Product Overview

NVD6495NL: Power MOSFET 100V, 25A, 50 mohm, Single N-Channel, DPAK, Logic Level.

For complete documentation, see the data sheet

Product Description

Automotive Power MOSFET. 100V, 25A, 50 mohm, Single N-Channel, DPAK, Logic Level. 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>Minimal conduction losses</li><li>Robust load performance</li><li>Voltage overstress safeguard</li></ul>

Applications	End Products
<ul style="list-style-type: none"><li>Direct Fuel Injection</li><li>Motor Drive</li><li>DC-DC Conversion</li></ul>	<ul style="list-style-type: none"><li>Automotive ECU</li><li>Motor</li><li>Power Supply</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
NVD6495NLT4G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	100	20	2	25	83		54	50	20	35	14	152	1024	156	70	DPAK-3

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