



Product Overview

NVDD5894NL: Power MOSFET 40V, 64A, 10 m , Dual N-Channel, DPAK-5L, Logic Level.

For complete documentation, see the data sheet

Product Description

Automotive Power MOSFET. 40V, 64A, 10 m , Dual N-Channel, DPAK-5L, 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>AEC-Q101</li><li>High current capability</li><li>100% avalanche energy rated</li><li>Dual common drain configuration</li></ul>	<ul style="list-style-type: none"><li>Low conduction losses</li><li>Suitable for Automotive Applications</li><li>Robust load performance</li><li>Safeguarded against over voltage stress</li><li>Saves space; useful for H-Bridge high side drivers</li></ul>

Applications	End Products
<ul style="list-style-type: none"><li>Motor drive</li><li>High side H-bridge switches</li></ul>	<ul style="list-style-type: none"><li>Automotive power train modules</li><li>Automotive chassis control modules</li><li>Automotive body control modules</li></ul>

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{DS(ON)}$ 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)	Package Type
NVDD5894NLT4G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Dual	40	20	2.5	64	75		14.5	10	21	41	11.3	13.7	2103	259	183	DPAK-5

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