



Product Overview

NVD6824NL: Power MOSFET 100V, 41A, 20 mOhm, Single N-Channel, DPAK, Logic Level.

For complete documentation, see the data sheet

Product Description

Automotive Power MOSFET. 100V, 41A, 20 mOhm, Single N-Channel, DPAK, Logic Level. AEC-Q101 Qualified MOSFET and PPAP capable suitable for automotive applications.

FeaturesBenefits

- Low RDS(on)
 - AEC-Q101 qualified
 - 100% Avalanche Tested
 - PbFree, Halogen Free, BFR Free
- Low conduction losses
 - Suitable for automotive applicaitons
 - Sutiable for driving solenoids and other rugged applications
 - RoHS Compliant

ApplicationsEnd Products

- Solenoid driver
 - Boost Switch
- Engine Control Module
 - Body Control Module

Part Electrical Specifications

Product	Compliance	Status	Channe l Polari ty	Confi gurat ion	$V_{DS(sat)}$ Min (V)	V_{GS} Max (V)	$V_{GS(th)}$ Max (V)	I_D Max (A)	P_D Max (W)	$r_{DS(on)}$ Max @ $V_{GS}=2.5$ V (m)	$r_{DS(on)}$ Max @ $V_{GS}=4.5$ V (m)	$r_{DS(on)}$ Max @ $V_{GS}=10$ V (m)	Q_g Typ @ $V_{GS}=4.5$ V (nC)	Q_g Typ @ $V_{GS}=10$ V (nC)	Q_{gd} Typ @ $V_{GS}=4.5$ V (nC)	Q_{rr} Typ (nC)	C_{iss} Typ (pF)	C_{oss} Typ (pF)	C_{rss} Typ (pF)	Packag e Typ e
NVD6824NLT4G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N- Chan nel	Single	100	20	2.5	41	90		23	20		66	18	59	3468	187	133	DP AK- 3

For more information please contact your local sales support at www.onsemi.com

Created on: 7/11/2015