



Product Overview

NVD6824NL: Single N-Channel Power MOSFET 100V, 41A, 20mΩ

For complete documentation, see the data sheet.

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

Features

- Low RDS(on)
- Avalanche Energy Specified
- High Current Capability
- AEC-Q101 qualified
- RoHS Compliant

Benefits

- Low conduction losses

Applications

- Solenoid driver
- Boost Switch

End Products

- Engine Control Module
- Body Control Module

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channel Polarity	Configuration	V _{(BR)DSS} 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 (mΩ)	R _{DS(on)} Max @ V _{GS} = 4.5 V (mΩ)	R _{DS(on)} Max @ V _{GS} = 10 V (mΩ)	Q _g Typ @ V _{GS} = 4.5 V (nC)	Q _g Typ @ V _{GS} = 10 V (nC)	C _{iss} Typ (pF)	Package Type
NVD6824NLT4G	0.7117	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	100	20	2.5	41	90	-	23	20	21	66	3468	DPAK-3
NVD6824NLT4G-VF01		AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	100	20	2.5	41	90	-	23	20	21	66	3468	DPAK-3

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

Created on: 9/19/2020