



Product Overview

NVD5117PL: Power MOSFET -60V, -61A, 16 mOhm, Single P-Channel, DPAK, Logic Level.

For complete documentation, see the data sheet

Product Description

Automotive Power MOSFET. -60V, -61A, 16 mOhm, Single P-Channel, DPAK, Logic Level. AEC-Q101 Qualified MOSFET and PPAP capable suitable for automotive applications.

Features	Benefits
<ul style="list-style-type: none">Very Low RDS(on)High Current CapabilityAvalanche Energy SpecifiedAECQ101 QualifiedThese Devices are PbFree, Halogen Free/BFR Free and are RoHS Compliant	<ul style="list-style-type: none">Minimize Conduction LossesProvides robust load drive performanceSafeguards against voltage overstress failuresSuitable for automotive applications

Applications

- Automotive High Side Drive
- Automotive Engine Control
- Automotive Body Control
- Automotive Infotainment

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	V _{DS} (BR) 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)	Packaging Type
NVD5117PLT4G	AEC Qualified PPAP Capable Pb-free Halide free	Active	P-Channel	Single	60	20	2.5	61	118		22	16	49	85	28	44	4800	480	320	DPAK-3

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

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