



Product Overview

NVTFS5116PL: Power MOSFET -60V, -14A, 52 mOhm, Single P-Channel, u8FL, Logic Level.

For complete documentation, see the data sheet

Product Description

Automotive Power MOSFET in a 3x3mm flat lead package designed for compact and efficient designs and including high thermal performance. Wettable Flank Option available for Enhanced Optical Inspection. AEC-Q101 Qualified MOSFET and PPAP capable suitable for automotive applications.

Features

- Low on resistance
- High current capability
- 100% avalanche tested
- AEC-Q101 Qualified

Benefits

- Minimal conduction losses
- Robust load performance
- Safeguard against voltage overstress failures
- Suitable for Automotive applications

Applications

- Automotive load switch
- Motor driver
- DC-DC switch output

End Products

- Automotive engine controllers
- Automotive body controllers
- Automotive infotainment power supplies

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{DS(ESR)}$ 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
NVTFS5116PLTAG	AEC Qualified PPAP Capable Pb-free Halide free	Active	P-Channel	Single	60	20	3	14	21		72	52	14	25	8	24	1258	127	84	u8FL / WD FN-8
NVTFS5116PLTWG	AEC Qualified PPAP Capable Pb-free Halide free	Active	P-Channel	Single	60	20	3	14	21		72	52	14	25	8	24	1258	127	84	u8FL / WD FN-8
NVTFS5116PLWFTAG	AEC Qualified PPAP Capable Pb-free Halide free	Active	P-Channel	Single	60	20	3	14	21		72	52	14	25	8	24	1258	127	84	u8FL / WD FN-8
NVTFS5116PLWFTWG	AEC Qualified PPAP Capable Pb-free Halide free	Active	P-Channel	Single	60	20	3	14	21		72	52	14	25	8	24	1258	127	84	u8FL / WD FN-8

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

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