



Product Overview

NVTFS4824N: Power MOSFET 30V, 46A, 4.7 mOhm, Single N-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	Benefits
<ul style="list-style-type: none"> Low on resistance Low Qg 100% avalanche tested AEC-Q101 Qualified 	<ul style="list-style-type: none"> Minimal conduction losses Minimal switching losses Voltage overstress safeguard Suitable for automotive applications

Applications	End Products
<ul style="list-style-type: none"> Automotive Reverse Battery Protection Automotive Low and High Side Switches 	<ul style="list-style-type: none"> Automotive Body Control Automotive Lighting

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	V _{DS} (BR) Min (V)	V _{GS} Max (V)	V _{GS} (on) 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
NVTFS4824NTAG	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	30	20	2.5	46	21		7.5	4.7	14	29	5.5	8.8	1740	360	200	u8FL / WD FN-8
NVTFS4824NTWG	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	30	20	2.5	46	21		7.5	4.7	14	29	5.5	8.8	1740	360	200	u8FL / WD FN-8
NVTFS4824NWFTAG	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	30	20	2.5	46	21		7.5	4.7	14	29	5.5	8.8	1740	360	200	u8FL / WD FN-8
NVTFS4824NWFTWG	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	30	20	2.5	46	21		7.5	4.7	14	29	5.5	8.8	1740	360	200	u8FL / WD FN-8

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

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