



Product Overview

NVTFS4C25N: Power MOSFET 30V, 22A, 17 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

- Low RDS(on)
- Low Gate Charge
- u8FL Package
- AEC-Q101 Qualified
- High Side Switch

Benefits

- Low conduction losses
- Low switching losses
- Small footprint, smaller PCB and modules
- Suitable for automotive applications

Applications

- Load Switch

End Products

- Synchronous Buck Converters
- Infotainment Modules

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{DS(BR)Min}$ (V)	$V_{GS}Max$ (V)	$V_{GS(th)Max}$ (V)	I_DMax (A)	P_DMax (W)	$r_{DS(on)Max @ V_{GS}=2.5V(m)}$	$r_{DS(on)Max @ V_{GS}=4.5V(m)}$	$r_{DS(on)Max @ V_{GS}=10V(m)}$	$Q_g Typ @ V_{GS}=4.5V(nC)$	$Q_g Typ @ V_{GS}=10V(nC)$	$Q_{gd} Typ @ V_{GS}=4.5V(nC)$	$Q_{rr} Typ (nC)$	$C_{iss} Typ (pF)$	$C_{oss} Typ (pF)$	$C_{rss} Typ (pF)$	Package Type
NVTFS4C25NTAG	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	30	20	2.2	22.1	14.3		26.5	17	5.1	10.3	2.7	5.7	500	295	85	u8FL / WD FN-8
NVTFS4C25NWFTAG	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	30	20	2.2	22.1	14.3		26.5	17	5.1	10.3	2.7	5.7	500	295	85	u8FL / WD FN-8

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

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