



## Product Overview

### NVTFS4C10N: Power MOSFET 30V, 47A, 7.4 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

#### Benefits

- low conduction losses
- low switching losses
- small footprint, smaller PCB and modules
- suitable for automotive applications

#### Applications

- Reverse battery protection
- DC-DC converter output drivers

#### End Products

- HID and LED lighting systems
- Body Control Modules
- Engine Control Modules

#### 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 @ $V_{GS} = 2.5$ 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)	Package Type
NVTFS4C10NTAG	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	30	20	2.2	47	33		11	7.4	10.1	19.2	6.1	8.3	993	574	163	u8FL / WD FN-8
NVTFS4C10NWFTAG	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	30	20	2.2	47	33		11	7.4	10.1	19.2	6.1	8.3	993	574	163	u8FL / WD FN-8

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