



Product Overview

NVMFS4841N: Power MOSFET 30V, 89A, 7 mOhm, Single N-Channel, SO8-FL, Logic Level.

For complete documentation, see the data sheet

Product Description

Automotive Power MOSFET in a 5x6mm 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

- AEC-Q101 Qualified
- Small Package
- Low on resistance
- Low gate charge
- AEC-Q101 Qualified

Benefits

- Can be used in Automotive applications
- Enables reduced size and cost boards and modules
- Provides reduced conduction losses
- Provides reduced switching losses
- Suitable for Automotive systems

Applications

- Switching Power Supply output driver
- Reverse battery protection switch

End Products

- Automotive Infotainment
- Automotive braking systems
- Automotive body controller systems

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
NVMFS4841NT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	30	20	2.5	89	112		11.4	7	11.5	25.4	5.1	10.7	1436	348	177	SO-8FL / DF N-5
NVMFS4841NWFT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	30	20	2.5	89	112		11.4	7	11.5	25.4	5.1	10.7	1436	348	177	SO-8FL / DF N-5

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

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