



## Product Overview

### NVMFS5885NL: Power MOSFET 60V, 39A, 15 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 Size
- Low on-resistance
- Motor Control

#### Benefits

- Suitable for automotive applications
- Enables reduced module size
- Reduces conduction losses

#### Applications

- DC-DC Converter

#### End Products

- Engine Control Module, Chassis Control Module, Body Control Module, Infotainment module
- Chassis Control Module
- Body Control Module
- Infotainment module

#### Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{DS}$ Min (V)	$V_{DS}$ Max (V)	$V_{GS}$ 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)	Package Type
NVMFS5885NLT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	60	20	2.5	39	54		21	15	12	21	6.3	16	1340	125	85	SO-8FL / DF N-5
NVMFS5885NLT3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	60	20	2.5	39	54		21	15	12	21	6.3	16	1340	125	85	SO-8FL / DF N-5
NVMFS5885NLWFT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	60	20	2.5	39	54		21	15	12	21	6.3	16	1340	125	85	SO-8FL / DF N-5
NVMFS5885NLWFT3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	60	20	2.5	39	54		21	15	12	21	6.3	16	1340	125	85	SO-8FL / DF N-5

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com)

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