



Product Overview

NVMFS5834NL: Power MOSFET 40V, 75A, 9.3 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	Benefits
<ul style="list-style-type: none"> Low RDS(on) Low Capacitance Optimized Gate Charge These Devices are PbFree, Halogen Free/BFR Free AEC-Q101 qualified (NV prefix orderable PN) 	<ul style="list-style-type: none"> Reduced conduction losses Reduced input losses Reduced switching losses RoHS Compliant Suitable for automotive applications

Applications	End Products
<ul style="list-style-type: none"> DC-DC Converter Secondary Side Synchronous Rectification Motor Driver 	<ul style="list-style-type: none"> DC-DC Converter Power Supply Motor Control

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	V _{DS} (BR) 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
NVMFS5834NLT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	40	20	3	75	107		13.6	9.3	12	24	6.3	108	1231	198	141	SO-8FL / DF N-5
NVMFS5834NLT3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	40	20	3	75	107		13.6	9.3	12	24	6.3	108	1231	198	141	SO-8FL / DF N-5
NVMFS5834NLWFT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	40	20	3	75	107		13.6	9.3	12	24	6.3	108	1231	198		SO-8FL / DF N-5
NVMFS5834NLWFT3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	40	20	3	75	107		13.6	9.3	12	24	6.3	108	1231	198		SO-8FL / DF N-5

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

Created on: 7/11/2015