



Product Overview

NVMFS5C404NL: Power MOSFET 40V, 352A, 0.75 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"> Small Footprint (5x6 mm) Low RDS(on) Low QG and Capacitance Wettable Flank Option AEC-Q101 Qualified Pb-Free 	<ul style="list-style-type: none"> Compact Design Minimize Conduction Losses Minimize Driver Losses Enhanced Optical Inspection Automotive qualified RoHS Compliant

Applications	End Products
<ul style="list-style-type: none"> Reverser Battery protection Switching power supplies Power switches (High Side Driver, Low Side Driver, H-Bridges etc.) 	<ul style="list-style-type: none"> Solenoid Driver – ABS, Fuel injection Motor Control – EPS, Wipers, Fans, Seats, etc. Load Switch – ECU, Chassis, Body

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
NVMFS5C404NLT1G	AEC Qualified	Active	N-Channel	Single	40	16	2	352	200		1	0.75	81	181	23.8	190	12168	4538	79.8	SO-8FL / DF N-5
	PPAP Capable																			
	Pb-free																			
	Halide free																			
NVMFS5C404NLT3G	AEC Qualified	Active	N-Channel	Single	40	16	2	352	200		1	0.75	81	181	23.8	190	12168	4538	79.8	SO-8FL / DF N-5
	PPAP Capable																			
	Pb-free																			
	Halide free																			
NVMFS5C404NLWFT1G	AEC Qualified	Active	N-Channel	Single	40	16	2	352	200		1	0.75	81	181	23.8	190	12168	4538	79.8	SO-8FL / DF N-5
	PPAP Capable																			
	Pb-free																			
	Halide free																			
NVMFS5C404NLWFT3G	AEC Qualified	Active	N-Channel	Single	40	16	2	352	200		1	0.75	81	181	23.8	190	12168	4538	79.8	SO-8FL / DF N-5
	PPAP Capable																			
	Pb-free																			
	Halide free																			

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

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