



## Product Overview

### NVMFD5873NL: Power MOSFET 60V, 58A, 13 mOhm, Dual 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"> <li>Low RDS(on)</li> <li>Low Capacitance</li> <li>Low gate charge</li> <li>AEC-Q101 Qualified</li> <li>Devices are Pb free, Halogen free, and BFR free</li> <li>5 x 6 x 1 mm Dual SO-8FL package</li> </ul>	<ul style="list-style-type: none"> <li>Reduced conduction losses</li> <li>Reduced input losses</li> <li>Reduced switching losses</li> <li>Suitable for automotive applications</li> <li>RoHS compliant</li> <li>Smaller PC boards and modules</li> </ul>

Applications	End Products
<ul style="list-style-type: none"> <li>Motor control</li> <li>High Side / Low Side switch</li> </ul>	<ul style="list-style-type: none"> <li>Chassis Control Module</li> </ul>

#### Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	V <sub>DS</sub> (BR) Min (V)	V <sub>GS</sub> Max (V)	V <sub>GS</sub> (th) Max (V)	I <sub>D</sub> Max (A)	P <sub>D</sub> Max (W)	r <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 2.5 V (m)	r <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 4.5 V (m)	r <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 10 V (m)	Q <sub>g</sub> Typ @ V <sub>GS</sub> = 4.5 V (nC)	Q <sub>g</sub> Typ @ V <sub>GS</sub> = 10 V (nC)	Q <sub>gd</sub> Typ @ V <sub>GS</sub> = 4.5 V (nC)	Q <sub>rr</sub> Typ (nC)	C <sub>iss</sub> Typ (pF)	C <sub>oss</sub> Typ (pF)	C <sub>rss</sub> Typ (pF)	Package Type
NVMFD5873NLT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Dual	60	20	2.5	58	107		16.5	13	16.5	30.5	8.8	18	1560	145	96	SO-8FL Dual / DF N-8
NVMFD5873NLWFT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Dual	60	20	2.5	58	107		16.5	13	16.5	30.5	8.8	18	1560	145	96	SO-8FL Dual / DF N-8

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Created on: 7/11/2015