



Product Overview

NTMFS4927N: Power MOSFET 30V 38A 7.3 mOhm Single N-Channel SO-8FL

For complete documentation, see the data sheet

Product Description

Power MOSFET, 30 V, 38 A, Single N Channel, SO8FL

Features	Benefits
<ul style="list-style-type: none"><li>Optimized Qg and Rg</li><li>Low Capacitance</li><li>Low RDS(on)</li><li>PbFree, Halogen Free/BFR Free</li><li>Notebook PC, Desktop PC, Server,Game Console, Netcom, Point of Load Module</li></ul>	<ul style="list-style-type: none"><li>Improve Signal Quality and Minimize Switching Losses</li><li>Minimize Driver Loss</li><li>Improve Efficiency</li><li>RoHS Compliant</li></ul>

Applications	End Products
<ul style="list-style-type: none"><li>High Side Synchronous DC-DC Converters</li><li>Vcore/GPUcore/VRM High Side Voltage Regulation</li><li>Notebook Battery Management</li></ul>	<ul style="list-style-type: none"><li>Notebook PC, Desktop PC, Server,Game Console, Netcom, Point of Load 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)	Packaging Type
NTMFS4927NT1G	Pb-free Halide free	Active	N-Channel	Single	30	20	2.2	38	20.8		12	7.3	8	16	3.1	8.4	913	366	108	SO-8FL / DF N-5
NTMFS4927NT3G	Pb-free Halide free	Active	N-Channel	Single	30	20	2.2	38	20.8		12	7.3	8	16	3.1	8.4	913	366	108	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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