



Product Overview

NTMFS4821N: Power MOSFET 30V 58.5A 6.95 mOhm Single N-Channel SO-8FL

For complete documentation, see the data sheet

Product Description

Power MOSFET 30 V, 58.5 A, Single N-Channel

Features	Benefits
<ul style="list-style-type: none"><li>Low <math>R_{DS(on)}</math></li><li>Low Capacitance</li><li>Optimized Gate Charge</li><li>Pb-Free Device</li><li>Thermally Enhanced S08 Package</li></ul>	<ul style="list-style-type: none"><li>Minimize Conduction Losses</li><li>Minimize Driver Losses</li><li>Minimize Switching Losses</li><li>Environmentally Friendly</li><li>Efficient Thermal Management</li></ul>

Applications	End Products
<ul style="list-style-type: none"><li>CPU Power Delivery</li><li>Low Side Switching</li><li>DC-DC Converters</li><li>Refer to Application Note AND8195/D</li></ul>	<ul style="list-style-type: none"><li>Notebook Computers</li><li>Servers</li><li>Desktop Computers</li></ul>

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{(BR)DSS}$ 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
NTMFS4821NT1G	Pb-free Halide free	Active	N-Channel	Single	30	20	2.5	58.5	38.5		10.8	6.95	10.7		3.8	2	1400	282	136	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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