



Product Overview

NTD4863N: Power MOSFET 25V 49A 9.3 mOhm Single N-Channel DPAK

For complete documentation, see the data sheet

Product Description

NTD4863N

Features	Benefits
<ul style="list-style-type: none"><li>• Low RDS(on)</li><li>• Low Capacitance</li><li>• Optimized Gate Charge</li><li>• Trench Technology</li><li>• These are Pb--Free Devices</li><li>• VCORE Applications</li><li>• DC--DC Converters</li></ul>	<ul style="list-style-type: none"><li>• Minimize Conduction Losses</li><li>• Minimize Driver Losses</li><li>• Minimize Switching Losses</li></ul>

Applications

- VCORE Applications
- DC--DC Converters
- High Side Switching

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>tr</sub> Typ (nC)	C <sub>iss</sub> Typ (pF)	C <sub>oss</sub> Typ (pF)	C <sub>rss</sub> Typ (pF)	Package Type
NTD4863NT4G	Pb-free Halide free	Active	N-Channel	Single	25	20	2.5	49	1.95		12.8	9.3	9		4.1	2.7	990	253	144	DPAK-3

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com)

Created on: 7/11/2015