



Product Overview

NTB6413AN: Power MOSFET 100V 42A 28 mohm Single N-Channel D2PAK

For complete documentation, see the data sheet

Product Description

This is a 100 V N-Channel Power MOSFET.

Features	Benefits
<ul style="list-style-type: none"><li>Low RDS(on)</li><li>High current capability</li><li>100% Avalanche tested</li></ul>	<ul style="list-style-type: none"><li>Minimize conduction losses</li><li>Robust load performance</li><li>Voltage overstress safeguard</li></ul>

Applications

- Motor Control
- UPS Inverter

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
NTB6413ANT4G	Pb-free Halide free	Active	N-Channel	Single	100	20	4	42	136			28		51	26	230	1800	280	100	<sup>2</sup> D PAK-3

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

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