



Product Overview

NTD4813NH: Power MOSFET 30V 40A 13 mOhm Single N-Channel DPAK

For complete documentation, see the data sheet

Product Description

Power MOSFET 30 V, 40 A, Single N-Channel, DPAK/IPAK

Features

- Low $R_{DS(on)}$ to Minimize Conduction Losses
- Low Capacitance to Minimize Driver Losses
- Optimized Gate Charge to Minimize Switching Losses
- These are Pb-Free Devices
- Low R_g

ApplicationsEnd Products

- CPU Power Delivery
 - DC-DC Converters
- High Side Switching

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{DS(sat)}$ 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
NTD4813NHT4G	Pb-free Halide free	Active	N-Channel	Single	30	20	2.5	40	35.3		25.9	13	7.1	18.2	3	7	940	201	115	DPAK-3

For more information please contact your local sales support at www.onsemi.com

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