



Product Overview

NTHD4502N: Power MOSFET 30V 3.9A 85 mOhm Dual N-Channel ChipFET

For complete documentation, see the data sheet

Product Description

This device is optimized for fast low side switching applications. It features a technology that provides a balance between low gate charge and low $R_{DS(on)}$

Features

- Planar Technology Device Offers Low $R_{DS(on)}$ and Fast Switching Speed
- Leadless ChipFET™ Package has 40% Smaller Footprint than TSOP-6. Ideal Device Applications Where Board Space is at a Premium.
- ChipFET™ Package Exhibits Excellent Thermal Capabilities. Ideal for Applications Where Heat Transfer is Required.
- Pb-Free Package Option for Green Manufacturing.
- Pb-Free Package is Available

Applications

- DC-DC Buck or Boost Converters
- Low Side Switching
- Optimized for Battery and Low Side Switching Applications in Computing and Portable Equipment

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 @ $V_{GS} = 2.5V(m)$	$r_{DS(on)}$ Max @ $V_{GS} = 4.5V(m)$	$r_{DS(on)}$ Max @ $V_{GS} = 10V(m)$	Q_g Typ @ $V_{GS} = 4.5V(nC)$	Q_g Typ @ $V_{GS} = 10V(nC)$	Q_{gd} Typ @ $V_{GS} = 4.5V(nC)$	Q_{rr} Typ (nC)	C_{iss} Typ (pF)	C_{oss} Typ (pF)	C_{rss} Typ (pF)	Package Type
NTHD4502NT1G	Pb-free Halide free	Active	N-Channel	Dual	30	20	3	3.9	2.1		140	85	1.9	3.6	0.7	4	140	53	16	ChipFET-8

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

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