



Product Overview

NTHD4102P: Power MOSFET -20V -4.1A 80 mOhm Dual P-Channel ChipFET

For complete documentation, see the data sheet

Product Description

Power MOSFET -20 V, -4.1 A Dual P-Channel ChipFET™

Features

- Offers an Ultra Low RDS (ON) Solution in the ChipFET™ Package
- Miniature ChipFet Package 40% Smaller Footprint than TSOP-6
- Low Profile (<1.1mm) Allows it to Fit Easily into Extremely Thin Environments such as Portable Electronics
- Simplifies Circuit Designs since Additional Boost Circuits for Gate Voltages are not Required
- Operated at Standard Logic Level Gate Drive, Facilitating Future Migration to Lower Levels using the same Basic Topology
- Pb-Free Package is Available

Applications

- Optimized for Battery and Load Management Applications in Portable Equipment such as MP3 Players, Cell Phones, and PDAs
- Charge Control in Battery Chargers
- Buck and Boost Converters

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{(BR)SS}$ 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
NTHD4102PT1G	Pb-free Halide free	Active	P-Channel	Dual	20	8	1.5	4.1	2.1	110	80		8.6		2.6	0.01	750	100	45	ChipFET-8

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

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