

Product Overview

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

For complete documentation, see the data sheet.

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

Applications

- Optimized for Battery and Load Management Applications in Portable Equipment
- Charge Control in Battery Chargers
- Buck and Boost Converters

End Products

- MP3 Players
- Cell Phones
- PDAs

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channel Polarity	Configuration	$V_{DS(BR)}$ Min (V)	V_{GS} Max (V)	$V_{GS(th)}$ Max (V)	I_D Max (A)	P_D Max (W)	$R_{DS(on)}$ Max @ $V_{GS} = 2.5V$ (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 4.5V$ (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 10V$ (mΩ)	Q_g Typ @ $V_{GS} = 4.5V$ (nC)	Q_g Typ @ $V_{GS} = 10V$ (nC)	C_{iss} Typ (pF)	Package Type
NTHD4102PT1G	0.186	Pb-free Halide free	Active	P-Channel	Dual	-20	8	1.5	2.9	1.1	Q1=8 Q2=4	Q1=6 Q2=4	-	2.6	7.6	750	ChipFET-8

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

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