



Product Overview

NTHD3101F: Power MOSFET -20V -4.4A 80 mOhm Dual P-Channel ChipFET FETky

For complete documentation, see the data sheet

Product Description

Power MOSFET -20V -4.4A 80 mOhm Dual P-Channel ChipFET FETky

Features

- Leadless SMD Package Featuring a MOSFET and Schottky Diode
- 40% Smaller than TSOP-6 Package
- Leadless SMD Package Provides Great Thermal Characteristics
- Independent Pinout to each Device to ease Circuit Design
- Trench P-Channel for Low On Resistance
- Ultra Low  $V_F$  Schottky
- Pb-Free Package are Available

Applications

- Li-Ion Battery Charging
- High Side DC-DC Conversion Circuits
- High Side Drive for Small Brushless DC Motors
- Power Management in Portable, Battery Powered Products

Part Electrical Specifications

Product	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 @ $V_{GS} = 2.5V$ (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
NTHD3101FT1G	Pb-free Halide free	Active	P-Channel	with Schottky Diode	20	8	1.5	4.4	2.1	110	80		7.4		2.5	6.5	680	100	70	ChipFET-8

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