



Product Overview

NTGS3446: Power MOSFET 20V 5.1A 45 mOhm Single N-Channel TSOP6

For complete documentation, see the data sheet

Product Description

Power MOSFET 20V, 5.1 A, Single N-Channel TSOP-6

Features

- Ultra Low $R_{DS(on)}$
- Higher Efficiency Extending Battery Life
- Logic Level Gate Drive
- Diode Exhibits High Speed, Soft Recovery
- Avalanche Energy Specified
- I_{DSS} and $V_{DS(on)}$ Specified at Elevated Temperature

Applications

- Power Management in portable and battery-powered products, i.e. computers, printers, PCMCIA cards, cellular and cordless
- Lithium Ion Battery Applications
- Note Book PC

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{(BR)DSS} Min$ (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)	Packaging Type
NTGS3446T1G	Pb-free Halide free	Active	N-Channel	Single	20	12	1.2	5.1	2	55	45		8		2	0.01	510	200	60	TSOP-6

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

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