



Product Overview

SFT1446: N-Channel Power MOSFET, 60V, 20A, 51mOhm, Single TP/TP-FA

For complete documentation, see the data sheet

Product Description

SFT1446 is an N-Channel Power MOSFET, 60V, 20A, 51mOhm, Single TP/TP-FA for general purpose switching applications.

Features

- ON-resistance $R_{DS(on)1} = 39m$ (typ)
- Input Capacitance $C_{iss} = 750pF$ (typ)
- 4V drive
- Halogen free compliance
- Protection diode in

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	V_{DS} Min (V)	V_{GS} Max (V)	V_{GS} Min (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)	Packaging Type
SFT1446-H	Pb-free Halide free	Active	N-Channel	Single	60	20	2.6	20	23		76	51		16	3.6		750	59	47	IPAK / TP
SFT1446-TL-H	Pb-free Halide free	Active	N-Channel	Single	60	20	2.6	20	23		76	51		16	3.6		750	59	47	DPAK / TP-FA

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

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