



Product Overview

SFT1342: Power MOSFET, -60V, 62m , -12A, Single P-Channel

For complete documentation, see the data sheet

Product Description

This P-Channel Power MOSFET is produced using ON Semiconductor's trench technology, which is specifically designed to minimize gate charge and low on resistance. This devices is suitable for applications with low gate charge driving or low on resistance requirements.

Features	Benefits
<ul style="list-style-type: none">Low On-ResistanceHigh Speed SwitchingLow Gate ChargeESD Diode - Protected GatePb-Free and RoHS Compliance	<ul style="list-style-type: none">Improves efficiency by reducing conduction lossesReduces dynamic power lossesEase of drive, faster turn-onESD resistanceEnvironment friendliness

Applications

- FAN Motor, SMPS, DC/DC

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} = 2.5 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
SFT1342-TL-W	Pb-free Halide free	Active	P-Channel	Single	-60	20	-2.6	-12	1		87	62		26	5		1150	115	95	DP AK / TP-FA
SFT1342-W	Pb-free Halide free	Active	P-Channel	Single	-60	20	-2.6	-12	1		87	62		26	5		1150	115	95	IPAK / TP

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

Created on: 7/11/2015