FM5N50B

N-Channel Power MOSFET

Features

- 500V, 5A
  R_{DS} <ON) <3 Ω@V_{GS}=10V TYP:2.5 Ω
- Fast Switching
- Lead free product is acquired
- Excellent Rds <ON) and Low Gate Charge

Application

- PWM applications
- Load Switch
- Power management

Package



TO-252



TOLL-4L

Absolute Maximum Ratings (Tc=25℃unless otherwise specified)

Parameter	Symbol	Value	Unit
Drain-Source Voltage	V_{DS}	500	V
Gate-Source Voltage	V_{GS}	±30	V
Continuous Drain Current (Ta =25℃)	I_D	5	A
Continuous Drain Current (Ta =100℃)	I_D	1.8	A
Pulsed Drain Current (1)	I_{DM}	12	A
Single Pulsed Avalanche Energy (2)	E_{As}	45	mJ
Power Dissipation	P_D	50	W
Thermal Resistance from Junction to Case	$R_{\theta Jc}$	2.5	℃/W
Junction Temperature	T_J	150	℃/
Storage Temperature	T_{STG}	-55~+150	℃/

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