



Product Overview

MCH3374: Power MOSFET, -12V, 70m , -3A, Single P-Channel

For complete documentation, see the data sheet

Product Description

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

Features

- Low ON-resistance
- High-Speeds Switching
- 1.8V drive
- Pb-Free, RoHS compliance
- Halogen Free compliance : MCH3374-TL-W
- Ultra small Package MCPH3 (2.0mm?2.1mm?0.85mm)

Benefits

- Improves Efficiency by Reducing Conduction Losses, Reduces Heat Dissipation
- Reduce dynamic power losses
- Drive at Low Voltage
- Environmental Consideration
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- Saves Board Space

Applications

- Load Switch

End Products

- Electric Piano, Cooktop, IC Recorder

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{DS(BR)Min}$ (V)	$V_{GS}Max$ (V)	$V_{GS(th)Max}$ (V)	I_DMax (A)	P_DMax (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
MCH3374-TL-E	Pb-free	Active	P-Channel	Single	-12	8	-1.4	-3	1	115	70		5.6		1.6		405	145	100	SC-70FL/MCPH-3
MCH3374-TL-W	Pb-free Halide free	Product Preview	P-Channel	Single	-12	8	-1.4	-3	1	115	70		5.6		1.6		405	145	100	SC-70FL/MCPH-3

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

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