

Product Overview

MCH3375: Single P-Channel Power MOSFET, -30 V, 295 mΩ , -1.6 A

For complete documentation, see the data sheet.

MCH3375 is a Power MOSFET, -30V, 295mΩ , -1.6A, Single P-Channel for General-Purpose Switching Device Application.

Features

- High speed switching and Low loss
- Ultrasmall package MCPH3 (2.1mm x 2.0mm x 0.85mm)
- Pb-Free, Halogen Free and RoHS Compliance
- 4V drive
- On-Resistance $R_{DS(on)1} = 227 \text{ m}\Omega$ (typ.)

Applications

- Load switch

Benefits

- Realize high efficiency of applications
- Small and slim applied set
- Environmental consideration

End Products

- Amusement machines
- Digital still cameras
- Inductive charger

Part Electrical Specifications

Product	Pricing (\$/Unit)	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 @ $V_{GS} = 2.5 \text{ V}$ (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 4.5 \text{ V}$ (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 10 \text{ V}$ (mΩ)	Q_3 Typ @ $V_{GS} = 4.5 \text{ V}$ (nC)	Q_3 Typ @ $V_{GS} = 10 \text{ V}$ (nC)	C_{iss} Typ (pF)	Package Type
MCH3375-TL-W	0.0733	Pb-free Halide free non AEC-Q and PPAP	Active	P-Channel	Single	-30	20	2.6	-1.6	0.8	-	523	295	4.6	2.2	82	SC-70FL / MCPH-3

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

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