



Product Overview

MCH3377: P-Channel Power MOSFET, -20V, -3A, 83mΩ, Single MCPH3

For complete documentation, see the data sheet

Product Description

MCH3377 is a P-Channel Power MOSFET, -20V, -3A, 83mΩ, Single MCPH3 for general purpose switching applications.

Features	Benefits
<ul style="list-style-type: none">High speed switchingLow Gate Drive VoltageESD Diode - Protected GatePb-free and RoHS ComplianceHalogen free compliance : MCH3377-TL-H, MCH3377-TL-WUltrasmall package MCPH3(2.1mm x 2.0mm x 0.85mm)	<ul style="list-style-type: none">Reduces dynamic power lossesDrive at low voltageESD resistanceEnvironmental considerationEnvironmental considerationSmall and slim applied set

Applications	End Products
<ul style="list-style-type: none">Load switch	<ul style="list-style-type: none">Digital still camera

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} = 2.5V (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
MCH3377-TL-W	Pb-free Halide free	Active	P-Channel	Single	-20	10	-1.3	-3	1	125	83		4.6		1.3		375	77	58	SC-70FL/MCPH-3

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

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