



Product Overview

MCH3382: P-Channel Power MOSFET, -12V, -2A, 198mΩ, Single MCPH3

For complete documentation, see the data sheet

Product Description

MCH3382 is a P-Channel Power MOSFET, -12V, -2A, 198mΩ, Single MCPH3 for Low Voltage Drive Switching Device Application.

Features	Benefits
<ul style="list-style-type: none">Pb-Free, Halogen Free and RoSH ComplianceUltra small Package MCPH3(2.0mm?2.1mm?0.85mm)Low On-Resistance1.2V drive	<ul style="list-style-type: none">Environmental considerationSaves Board SpaceImproves Efficiency by Reducing Conduction Losses. Reduces Heat DissipationDrive at Low Voltage

Applications	End Products
<ul style="list-style-type: none">Load Switch	<ul style="list-style-type: none">Small Display, AED

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
MCH3382-TL-H	Pb-free Halide free	Active	P-Channel	Single	-12	9	-0.9	-2	0.8	297	198		2.3		0.46		170	50	40	SC-70FL/MCPH-3
MCH3382-TL-W	Pb-free Halide free	Product Preview	P-Channel	Single	-12	9	-0.9	-2	0.8	297	198		2.3		0.46		170	50	40	SC-70FL/MCPH-3

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

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