



Product Overview

SCH1331: Power MOSFET, -12V, 84mΩ, -3A, Single P-Channel

For complete documentation, see the data sheet

Product Description

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

Features	Benefits
<ul style="list-style-type: none"> 1.8V drive Pb-Free, Halogen Free and RoHS compliance Ultra small package SCH6 (1.6mm×1.6mm×0.56mm) Low Capacitance Low On-Resistance High speed switching 	<ul style="list-style-type: none"> Drive at Low Voltage Environmental Consideration Board Space Saving Ease of drive, faster turn-on/turn-off

Applications	End Products
<ul style="list-style-type: none"> Battery Switch Load Switch DC/DC Converter Lens Motor Driver 	<ul style="list-style-type: none"> DSC, DVC, Mirrorless Camera Smart Phone, Cell Phone LBP

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	V_{DS} (V)	V_{GS} (V)	$V_{GS(th)}$ (V)	I_D (A)	P_D (W)	$r_{DS(on)}$ (mΩ)	$r_{DS(on)}$ (mΩ)	$r_{DS(on)}$ (mΩ)	Q_g (nC)	Q_g (nC)	Q_{gd} (nC)	Q_{rr} (nC)	C_{iss} (pF)	C_{oss} (pF)	C_{rss} (pF)	Package Type
SCH1331-TL-H	Pb-free Halide free	Active	P-Channel	Single	-12	10	-1.3	-3	1	126	84		5.6		1.6		405	145	100	SO-T-563 / SCH-6
SCH1331-TL-W	Pb-free Halide free	Product Preview	P-Channel	Single	-12	10	-1.3	-3	1	126	84		5.6		1.6		405	145	100	SO-T-563 / SCH-6

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

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