



Product Overview

CPH5871: Power MOSFET, 30V, 52m , 3.5A, Single N-Channel, with Schottky Diode

For complete documentation, see the data sheet

Product Description

CPH5871 is a Power MOSFET, 30V, 52m , 3.5A, Single N-Channel, with Schottky Diode for General-Purpose Switching Device Application.

Features	Benefits
<ul style="list-style-type: none">Pb-Free, Halogen-Free and RoHS ComplianceESD Diode - Protected GateMOSFET is High-speed switching, 1.8V driveComposite type with a N-channel silicon MOSFET and a schottky barrier diode contained in one package. facilitating high-density mounting.SBD is Short reverse recovery time, Low forward voltage	<ul style="list-style-type: none">Environmental considerationESD resistanceReduces dynamic power losses, Drive at low voltage

Applications	End Products
<ul style="list-style-type: none">DC/DC converter	<ul style="list-style-type: none">Scanner

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
CPH5871-TL-H	Pb-free Halide free	Active	N-Channel	with Schottky Diode	30	12	1.3	3.5	0.9	74	52		4.7		1.1		430	59	38	CPH-5
CPH5871-TL-W	Pb-free Halide free	Product Preview	N-Channel	with Schottky Diode	30	12	1.3	3.5	0.9	74	52		4.7		1.1		430	59	38	CPH-5

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