

Image may be representation.
See specifications for product details.

MCH3478-TL-W

Manufacturer Part Number	MCH3478-TL-W
Manufacturer	onsemi
Allelco Part Number	32D-MCH3478-TL-W
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 30V 2A 3MCPH
Package	SC-70, SOT-323
Data sheet	MCH3478-TL-W.pdf
RoHs Status	ROHS3 Compliant

Get a Quote



MCH3478-TL-W - onsemi.New Original in Stock. Download Linear Technology MCH3478-TL-W datasheet/specifications on AllelcoElec.com.
Request a quote for MCH3478-TL-W, please send us email: info@allelco.com

Specifications

MCH3478-TL-W Tech Specifications

MCH3478-TL-W - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	150°C (TJ)
Vgs(th) (Max) @ Id	-	Mounting Type	Surface Mount
Vgs (Max)	±12V	Input Capacitance (Ciss) (Max) @ Vds	130 pF @ 10 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	1.7 nC @ 4.5 V
Supplier Device Package	3-MCPH	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	165mOhm @ 1A, 4.5V	Drive Voltage (Max Rds On, Min Rds On)	1.8V, 4.5V
Power Dissipation (Max)	800mW (Ta)	Drain to Source Voltage (Vdss)	30 V
Package / Case	SC-70, SOT-323	Current - Continuous Drain (Id) @ 25°C	2A (Ta)
Package	Tape & Reel (TR)	Base Product Number	MCH3478

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi MCH3478-TL-W

Product Attribute				
Part Number	MCH3478-TL-W	MCH3484-TL-W	MCH3478-S-TL-H	MCH3476-TL-W
Manufacturer	onsemi	onsemi	onsemi	Fairchild Semiconductor
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Bulk
Package / Case	SC-70, SOT-323	SOT-23-3 Flat Leads	SC-70, SOT-323	3-SMD, Flat Lead
Power Dissipation (Max)	800mW (Ta)	1W (Ta)	-	800mW (Ta)
Base Product Number	MCH3478	MCH3484	MCH34	-
Current - Continuous Drain (Id) @ 25°C	2A (Ta)	4.5A (Ta)	2A (TJ)	2A (Ta)
FET Feature	-	-	-	-
Input Capacitance (Ciss) (Max) @ Vds	130 pF @ 10 V	630 pF @ 10 V	-	128 pF @ 10 V
Supplier Device Package	3-MCPH	SC-70FL/MCPH3	3-MCPH	SC-70FL/MCPH3
Series	-	-	-	-
Gate Charge (Qg) (Max) @ Vgs	1.7 nC @ 4.5 V	11 nC @ 2.5 V	-	1.8 nC @ 4.5 V
Vgs(th) (Max) @ Id	-	800mV @ 1mA	-	1.3V @ 1mA
Drain to Source Voltage (Vdss)	30 V	20 V	-	20 V
Drive Voltage (Max Rds On, Min Rds On)	1.8V, 4.5V	0.9V, 2.5V	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	-	MOSFET (Metal Oxide)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
FET Type	N-Channel	N-Channel	-	N-Channel
Vgs (Max)	±12V	±5V	-	±12V
Rds On (Max) @ Id, Vgs	165mOhm @ 1A, 4.5V	40mOhm @ 2A, 2.5V	-	125mOhm @ 1A, 4.5V
Operating Temperature	150°C (TJ)	-55°C ~ 150°C (TJ)	-	150°C (TJ)

MCH3478-TL-W Datasheet PDF

Download MCH3478-TL-W pdf datasheets and onsemi documentation for MCH3478-TL-W - onsemi.

Environmental Information

onsemi REACH.pdf

onsemi RoHS.pdf

PCN Obsolescence/ EOL

Mult Dev EOL 7/Apr/2021.pdf

PCN Assembly/Origin



Customers Also Interested in

Recommended Products



MCH3484-TL-W
onsemi
MOSFET N-CH 20V 4.5A SC70



MCH3478-S-TL-H
onsemi
MOSFET N-CH 2A 30V MCPH3



MCH3476-TL-W
Fairchild Semiconductor
MOSFET N-CH 20V 2A
SC70FL/MCPH3



MCH3486-TL-H
onsemi
MOSFET N-CH 60V 2A
SC70FL/MCPH3



MCH3476-TL-W
onsemi
MOSFET N-CH 20V 2A
SC70FL/MCPH3



MCH3476-TL-H
onsemi
MOSFET N-CH 20V 2A
SC70FL/MCPH3



MCH3481-W-TL
AMI Semiconductor/onsemi

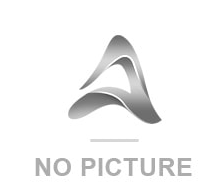


MCH3479-TL-H
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MOSFET N-CH 20V 3.5A SC70



MCH3484-TL-H
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MOSFET N-CH 20V 4.5A SC70

MCH3486-TL-W
onsemi
MOSFET N-CH 60V 2A
SC70FL/MCPH3



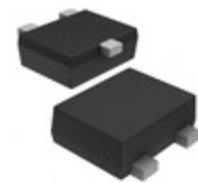
MCH3479
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MCH3477-TL-W
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MOSFET N-CH 20V 4.5A SC70



MCH3477-TL-E
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MOSFET N-CH 20V 4.5A SC70



MCH3477-TL-H
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MOSFET N-CH 20V 4.5A SC70



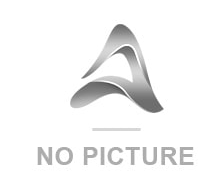
MCH3477-TL
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MOSFET N-CH 20V 2A
SC70FL/MCPH3



MCH3478-TL-H
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MOSFET N-CH 30V 2A MCPH



MCH3477
VBSEMI

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

- Efficient Supply Management
- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

- Phone
+00852 9146 4856
- Email
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Certifications & Memberships



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Contact us

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