

Image may be representation.  
See specifications for product details.



## FDMF3035

Manufacturer Part Number	<b>FDMF3035</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-FDMF3035
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC HALF BRIDGE DRIVER 50A 31PQFN
Package	31-PowerWFQFN
Data sheet	<b>FDMF3035.pdf</b>
	<b>FDMF3035.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

FDMF3035 - onsemi.New Original in Stock. Download Linear Technology FDMF3035 datasheet/specifications on AllelcoElec.com.  
Request a quote for FDMF3035, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

FDMF3035 Tech Specifications

FDMF3035 - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Supply	4.5V ~ 5.5V	Mounting Type	Surface Mount
Voltage - Load	4.5V ~ 24V	Load Type	Inductive
Technology	UMOS	Interface	PWM
Supplier Device Package	31-PQFN (5x5)	Features	Bootstrap Circuit, Diode Emulation
Series	PowerTrench®, SyncFET™	Fault Protection	Shoot-Through, UVLO
Rds On (Typ)	10hm LS, 10hm HS	Current - Peak Output	50A
Package / Case	31-PowerWFQFN	Current - Output / Channel	50A
Package	Tape & Reel (TR)	Base Product Number	FDMF3035
Output Configuration	Half Bridge	Applications	Synchronous Buck Converters

## Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDMF3035

Product Attribute				
Part Number	FDMF3035	<b>FDMF3030</b>	<b>FDMF3039</b>	FDMF3170
Manufacturer	onsemi	Fairchild Semiconductor	Fairchild Semiconductor	onsemi
Voltage - Supply	4.5V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V
Output Configuration	Half Bridge	Half Bridge	Half Bridge	Half Bridge (2)
Rds On (Typ)	10hm LS, 10hm HS	900mOhm LS, 800mOhm HS	-	-
Fault Protection	Shoot-Through, UVLO	Over Temperature, Shoot-Through, UVLO	Shoot-Through, UVLO	Current Limiting, Over Temperature, UVLO
Base Product Number	FDMF3035	FDMF3030	FDMF3039	FDMF3170
Series	PowerTrench®, SyncFET™	PowerTrench®, SyncFET™	-	-
Package / Case	31-PowerWFQFN	40-TFQFN Exposed Pad	22-PowerWFQFN	39-PowerVFQFN
Applications	Synchronous Buck Converters	Synchronous Buck Converters	DC-DC Converters, Synchronous Buck Converter	General Purpose
Load Type	Inductive	Inductive	Inductive	Inductive
Voltage - Load	4.5V ~ 24V	3V ~ 24V	4.5V ~ 24V	4.5V ~ 16V
Technology	UMOS	DrMOS	Power MOSFET	Power MOSFET
Supplier Device Package	31-PQFN (5x5)	40-PQFN (6x6)	22-PQFN (3.5x4.5)	39-PQFN (5x6)
Interface	PWM	PWM	PWM	Logic, PWM
Current - Peak Output	50A	-	-	70A
Current - Output / Channel	50A	50A	30A	55A
Package	Tape & Reel (TR)	Bulk	Bulk	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Features	Bootstrap Circuit, Diode Emulation	Bootstrap Circuit, Diode Emulation, Status Flag	Bootstrap Circuit, Diode Emulation	-
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 125°C (TJ)

## FDMF3035 Datasheet PDF

Download FDMF3035 pdf datasheets and onsemi documentation for FDMF3035 - onsemi.

### Datasheets

[FDMF3035.pdf](#)

### Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

[Material Declaration FDMF3035.pdf](#)

### PCN Design/Specification

[FDMF3035 PCN Design/Specification.pdf](#)

[FDMF3035 PCN Design/Specification.pdf](#)

Logo 17/Aug/2017.pdf

FDMF3035 Des/Data Sheet Rev 7/Aug/2015.pdf

### PCN Packaging

Mult Devices 24/Oct/2017.pdf

### PCN Assembly/Origin





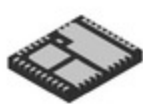
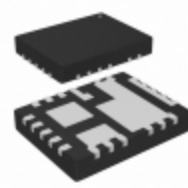
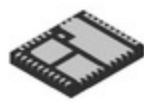

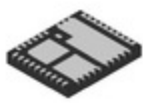
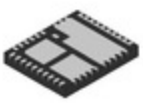






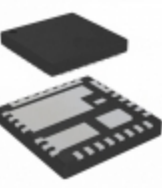

Mult Dev 05/Oct/2022.pdf

### HTML Datasheet

FDMF3035.pdf

## Customers Also Interested in

### Recommended Products

					
<b>FDMF3030</b> Fairchild Semiconductor IC HALF BRIDGE DRIVER 50A 40PQFN	<b>FDME910PZT MOS</b> Fairchild (onsemi)	<b>FDMF3032</b> Fairchild Semiconductor SWITCHING REGULATOR, SMART POWER	<b>FDMF3039</b> Fairchild Semiconductor IC HALF BRIDGE DRIVER 30A 22PQFN	<b>FDMF3170</b> onsemi IC HALF BRIDGE DRIVER 55A 39QFN	<b>FDMF3039</b> onsemi IC HALF BRIDGE DRIVER 30A 22PQFN
					
<b>FDMF5071</b> onsemi SMART POWER STAGE (SPS) MODULES	<b>FDMF3030</b> onsemi IC HALF BRIDGE DRIVER 50A 40PQFN	<b>FDMF3172</b> Fairchild Semiconductor IC HALF BRIDGE DRIVER 55A 39QFN	<b>FDMF5062</b> onsemi SMART POWER STAGE 70A 39PQFN	<b>FDMF3032</b> onsemi IC MODULE SPS 2 MHZ 31PQFN	<b>FDMF3172</b> onsemi IC HALF BRIDGE DRIVER 55A 39QFN
					
<b>FDMF3180</b> onsemi IC HALF BRIDGE DRIVER 70A 39QFN	<b>FDME910PZT</b> Fairchild Semiconductor SMALL SIGNAL FIELD-EFFECT TRANSI	<b>FDMF3005</b> Fairchild (onsemi)	<b>FDME910PZT</b> onsemi MOSFET P-CH 20V 8A MICROFET	<b>FDMF3033</b> onsemi IC HALF BRIDGE DRIVER 60A 31PQFN	<b>FDMF3160</b> onsemi IC SPS MOD POWER STAGE PQFN39

## 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 Alleco 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  
info@alleco.com

### Certifications & Memberships



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