

Image may be representation.
See specifications for product details.



FDB075N15A

Manufacturer Part Number	FDB075N15A
Manufacturer	onsemi
Allelco Part Number	32D-FDB075N15A
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 150V 130A D2PAK
Package	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Data sheet	FDP075N15A_F102/FDB075N15A.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

FDB075N15A - onsemi.New Original in Stock. Download Linear Technology FDB075N15A datasheet/specifications on AllelcoElec.com.
Request a quote for FDB075N15A, please send us email: info@allelco.com

Specifications

FDB075N15A Tech Specifications
FDB075N15A - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	7350 pF @ 75 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	100 nC @ 10 V
Supplier Device Package	D ² PAK (TO-263)	FET Type	N-Channel
Series	PowerTrench®	FET Feature	-
Rds On (Max) @ Id, Vgs	7.5mOhm @ 100A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	333W (Tc)	Drain to Source Voltage (Vdss)	150 V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	130A (Tc)
Package	Tape & Reel (TR)	Base Product Number	FDB075

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDB075N15A

Product Attribute				
Part Number	FDB075N15A	FDB070AN06A0	FDB075N15A-F085	FDB088N08
Manufacturer	onsemi	onsemi	onsemi	Fairchild Semiconductor
Drain to Source Voltage (Vdss)	150 V	60 V	150 V	75 V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
FET Feature	-	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Bulk
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Vgs (Max)	±20V	±20V	±20V	±20V
Series	PowerTrench®	PowerTrench®	Automotive, AEC-Q101, PowerTrench®	PowerTrench®
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs(th) (Max) @ Id	4V @ 250µA	4V @ 250µA	4V @ 250µA	4V @ 250µA
Base Product Number	FDB075	FDB070	FDB075	-
Power Dissipation (Max)	333W (Tc)	175W (Tc)	333W (Tc)	160W (Tc)
Supplier Device Package	D ² PAK (TO-263)	D ² PAK (TO-263)	D ² PAK (TO-263)	D ² PAK (TO-263)
Current - Continuous Drain (Id) @ 25°C	130A (Tc)	15A (Ta), 80A (Tc)	110A (Tc)	120A (Tc)
Input Capacitance (Ciss) (Max) @ Vds	7350 pF @ 75 V	3000 pF @ 25 V	5595 pF @ 75 V	6595 pF @ 25 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Rds On (Max) @ Id, Vgs	7.5mOhm @ 100A, 10V	7mOhm @ 80A, 10V	7.5mOhm @ 80A, 10V	8.8mOhm @ 75A, 10V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Gate Charge (Qg) (Max) @ Vgs	100 nC @ 10 V	66 nC @ 10 V	95 nC @ 10 V	118 nC @ 10 V

FDB075N15A Datasheet PDF

Download FDB075N15A pdf datasheets and onsemi documentation for FDB075N15A - onsemi.

Datasheets

FDP075N15A_F102/FDB075N15A.pdf

Environmental Information

onsemi REACH.pdf

onsemi RoHS.pdf

PCN Design/Specification

Logo 17/Aug/2017.pdf

Description Chg 01/Apr/2016.pdf

PCN Packaging

Mult Devices 24/Oct/2017.pdf

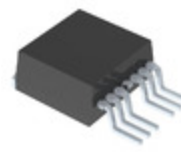


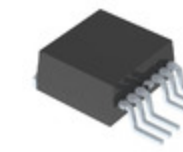




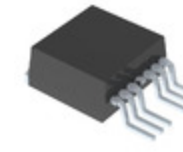









Tape and Box/Reel Barcode Update 07/Aug/2014.pdf

PCN Assembly/Origin

Assembly Change 09/May/2023.pdf

Customers Also Interested in

Recommended Products

 FDB070AN06A0 onsemi MOSFET N-CH 60V 15A/80A D2PAK	 FDB05N100 Fairchild (onsemi)	 FDB075N15A MOS Fairchild (onsemi)	 FDB075N15A-F085 onsemi MOSFET N-CH 150V 110A D2PAK	 FDB088N08 Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 8	 FDB060AN08A0 Fairchild (onsemi)
 FDB070AN06A0 Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 1	 FDB060AN08A0 onsemi MOSFET N-CH 75V 16A/80A D2PAK	 FDB0630N1507L onsemi MOSFET N-CH 150V 130A TO263-7	 FDB060AN08A0 MOS Fairchild (onsemi)	 FDB070AN06_F085 Fairchild (onsemi)	 FDB082N15A onsemi MOSFET N-CH 150V 117A D2PAK
 FDB070AN06A0 MOS Fairchild (onsemi)	 FDB070AN06A0 Fairchild (onsemi)	 FDB088N08 onsemi MOSFET N-CH 75V 120A D2PAK	 FDB082N15A MOS Fairchild (onsemi)	 FDB082N15ATM Fairchild (onsemi)	 FDB075N15A_F085 Fairchild (onsemi)

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
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Contact us if you have any questions.

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Certifications & Memberships



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