

Image may be representation.
See specifications for product details.



FDD8447L-F085

Manufacturer Part Number	FDD8447L-F085
Manufacturer	onsemi
Allelco Part Number	32D-FDD8447L-F085
ECAD Model	PCB Footprint and Symbol
Parts Description	MOSFET N-CH 40V 50A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	FDD8447L_F085.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

FDD8447L-F085 - onsemi.New Original in Stock. Download Linear Technology FDD8447L-F085 datasheet/specifications on AllelcoElec.com.
Request a quote for FDD8447L-F085, please send us email: info@allelco.com

Specifications

FDD8447L-F085 Tech Specifications

FDD8447L-F085 - 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	3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1970 pF @ 20 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	52 nC @ 10 V
Supplier Device Package	TO-252AA	FET Type	N-Channel
Series	Automotive, AEC-Q101, PowerTrench®	FET Feature	-
Rds On (Max) @ Id, Vgs	8.5mOhm @ 14A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	65W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	50A (Tc)
Package	Tape & Reel (TR)	Base Product Number	FDD844

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDD8447L-F085

Product Attribute				
Part Number	FDD8447L-F085	FDD8445	FDD850N10L	FDD850N10L
Manufacturer	onsemi	Fairchild Semiconductor	Fairchild Semiconductor	onsemi
Package	Tape & Reel (TR)	Bulk	Bulk	Tape & Reel (TR)
Drain to Source Voltage (Vdss)	40 V	40 V	100 V	100 V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Rds On (Max) @ Id, Vgs	8.5mOhm @ 14A, 10V	8.7mOhm @ 50A, 10V	75mOhm @ 12A, 10V	75mOhm @ 12A, 10V
Supplier Device Package	TO-252AA	TO-252AA	TO-252, (D-Pak)	TO-252AA
Vgs (Max)	±20V	±20V	±20V	±20V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	10V	5V, 10V	5V, 10V
Gate Charge (Qg) (Max) @ Vgs	52 nC @ 10 V	59 nC @ 10 V	28.9 nC @ 10 V	28.9 nC @ 10 V
Input Capacitance (Ciss) (Max) @ Vds	1970 pF @ 20 V	4050 pF @ 25 V	1465 pF @ 25 V	1465 pF @ 25 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63
Vgs(th) (Max) @ Id	3V @ 250µA	4V @ 250µA	2.5V @ 250µA	2.5V @ 250µA
Base Product Number	FDD844	-	-	FDD850
Power Dissipation (Max)	65W (Tc)	79W (Tc)	50W (Tc)	50W (Tc)
Current - Continuous Drain (Id) @ 25°C	50A (Tc)	70A (Tc)	15.7A (Tc)	15.7A (Tc)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Feature	-	-	-	-
Series	Automotive, AEC-Q101, PowerTrench®	PowerTrench®	PowerTrench®	PowerTrench®

FDD8447L-F085 Datasheet PDF

Download FDD8447L-F085 pdf datasheets and onsemi documentation for FDD8447L-F085 - onsemi.

Datasheets

[FDD8447L_F085.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

PCN Design/Specification

Logo 17/Aug/2017.pdf

PCN Packaging

Mult Devices 24/Oct/2017.pdf

PCN Part Number

Mult Device Part Number Chg 30/May/2017.pdf



















PCN Obsolescence/ EOL

Mult Dev EOL 17/Aug/2020.pdf

Multiple Devices 13/Aug/2010.pdf

Customers Also Interested in

Recommended Products

 FDD8445 Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 7	 FDD850N10L Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 1	 FDD850N10L onsemi MOSFET N-CH 100V 15.7A DPAK	 FDD8447L Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 2	 FDD8453LZ_F085 Fairchild/ON Semiconductor MOSFET N-CH 40V 50A DPAK	 FDD8451 Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 9
 FDD8453LZ onsemi MOSFET N-CH 40V 16.4A/50A DPAK	 FDD8444L Fairchild Semiconductor MOSFET N-CH 40V 16A/50A TO252AA	 FDD8445 onsemi MOSFET N-CH 40V 70A TO252AA	 FDD8444L MOS Fairchild (onsemi)	 FDD8451 onsemi MOSFET N-CH 40V 9A/28A DPAK	 FDD8444L onsemi MOSFET N-CH 40V 16A/50A TO252AA
 FDD8453LZ MOS Fairchild (onsemi)	 FDD8451 MOS Fairchild (onsemi)	 FDD8445 MOS Fairchild (onsemi)	 FDD8447L onsemi MOSFET N-CH 40V 15.2A/50A DPAK	 FDD8445-F085 onsemi MOSFET N-CH 40V 70A TO252AA	 FDD8447L MOS 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

Contact us if you have any questions.

-  Phone
+00852 9146 4856
-  Email
info@allelco.com

Certifications & Memberships



View More

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