

Image may be representation.
See specifications for product details.



FDD9511L-F085

Manufacturer Part Number	FDD9511L-F085
Manufacturer	onsemi
Allelco Part Number	32D-FDD9511L-F085
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET P-CH 40V 25A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	FDD9511L-F085.pdf
RoHs Status	ROHS3 Compliant

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FDD9511L-F085 - onsemi.New Original in Stock. Download Linear Technology FDD9511L-F085 datasheet/specifications on AllelcoElec.com.
Request a quote for FDD9511L-F085, please send us email: info@allelco.com

Specifications

FDD9511L-F085 Tech Specifications

FDD9511L-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)	±16V	Input Capacitance (Ciss) (Max) @ Vds	1200 pF @ 20 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	23 nC @ 10 V
Supplier Device Package	D-PAK (TO-252)	FET Type	P-Channel
Series	Automotive, AEC-Q101, PowerTrench®	FET Feature	-
Rds On (Max) @ Id, Vgs	21mOhm @ 25A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	48.4W (TJ)	Drain to Source Voltage (Vdss)	40 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	25A (Tc)
Package	Tape & Reel (TR)	Base Product Number	FDD9511

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDD9511L-F085

Product Attribute				
Part Number	FDD9511L-F085	FDD9409L-F085	FDD9407L-F085	FDD9507L-F085
Manufacturer	onsemi	onsemi	onsemi	onsemi
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
Rds On (Max) @ Id, Vgs	21mOhm @ 25A, 10V	2.6mOhm @ 80A, 10V	2.4mOhm @ 80A, 4.5V	4.4mOhm @ 80A, 10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Supplier Device Package	D-PAK (TO-252)	TO-252AA	TO-252AA	D-PAK (TO-252)
Power Dissipation (Max)	48.4W (TJ)	150W (TJ)	227W (TJ)	227W (Ta)
Drain to Source Voltage (Vdss)	40 V	40 V	40 V	40 V
Gate Charge (Qg) (Max) @ Vgs	23 nC @ 10 V	68 nC @ 10 V	125 nC @ 10 V	130 nC @ 10 V
Base Product Number	FDD9511	FDD9409	FDD9407	FDD9507
FET Feature	-	-	-	-
Vgs (Max)	±16V	±20V	±20V	±16V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	10V	4.5V, 10V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Series	Automotive, AEC-Q101, PowerTrench®	PowerTrench®	Automotive, AEC-Q101, PowerTrench®	PowerTrench®
Vgs(th) (Max) @ Id	3V @ 250µA	3V @ 250µA	3V @ 250µA	3V @ 250µA
FET Type	P-Channel	N-Channel	N-Channel	P-Channel
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Continuous Drain (Id) @ 25°C	25A (Tc)	90A (Tc)	100A (Tc)	100A (Tc)
Input Capacitance (Ciss) (Max) @ Vds	1200 pF @ 20 V	3360 pF @ 20 V	6700 pF @ 25 V	6250 pF @ 20 V

FDD9511L-F085 Datasheet PDF

Download FDD9511L-F085 pdf datasheets and onsemi documentation for FDD9511L-F085 - onsemi.

Datasheets

[FDD9511L-F085.pdf](#)

Environmental Information



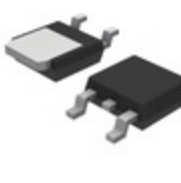
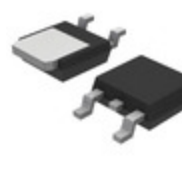








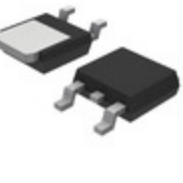




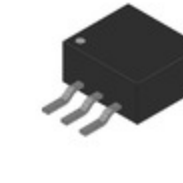
[onsemi REACH.pdf](#)

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PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 FDD9409L-F085 onsemi MOSFET N-CH 40V 90A TO252	 FDD8955 FAIRCHILD FAIRCHILD RCHLID	 FDD9407L-F085 onsemi MOSFET N-CH 40V 100A DPAK	 FDD9507L-F085 onsemi MOSFET P-CH 40V 100A DPAK	 FDD9410 AMI Semiconductor/onsemi	 FDD8896-NL MOS Fairchild (onsemi)
 FDD9407-F085 onsemi MOSFET N-CH 40V 100A DPAK	 FDDS100H06 onsemi IC PWR SWITCH N-CHAN 1:1 TO252-4L	 FDDS10H04A onsemi IC PWR SWITCH N-CHAN 1:1 TO252-4L	 FDD9407_F085 Fairchild (onsemi)	 FDD8N50NZTM onsemi MOSFET N-CH 500V 6.5A DPAK	 FDDF12N50FI Fairchild (onsemi)
 FDD9509L-F085 onsemi MOSFET P-CH 40V 90A DPAK	 FDD9407L AMI Semiconductor/onsemi	 FDD8N50NZ Fairchild (onsemi)	 FDD9409_F085 Fairchild (onsemi)	 FDD9409 Fairchild Semiconductor N CHANNEL POWER TRENCH MOSFET,	 FDDS100H06 Fairchild Semiconductor N CHANNEL , SMART HIGH SIDE SWIT

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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Contact us

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