



Image may be representation.  
See specifications for product details.



## FDB0630N1507L

Manufacturer Part Number	<b>FDB0630N1507L</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-FDB0630N1507L
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 150V 130A TO263-7
Package	TO-263-7, D <sup>2</sup> Pak (6 Leads + Tab)
Data sheet	<b>FDB0630N1507L.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

FDB0630N1507L - onsemi.New Original in Stock. Download Linear Technology FDB0630N1507L datasheet/specifications on AllelcoElec.com.  
Request a quote for FDB0630N1507L, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

FDB0630N1507L Tech Specifications

FDB0630N1507L - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	9895 pF @ 75 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	135 nC @ 10 V
Supplier Device Package	TO-263-7	FET Type	N-Channel
Series	PowerTrench®	FET Feature	-
Rds On (Max) @ Id, Vgs	6.4mOhm @ 18A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	3.8W (Ta), 300W (Tc)	Drain to Source Voltage (Vdss)	150 V
Package / Case	TO-263-7, D <sup>2</sup> Pak (6 Leads + Tab)	Current - Continuous Drain (Id) @ 25°C	130A (Tc)
Package	Tape & Reel (TR)	Base Product Number	FDB0630

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDB0630N1507L

Product Attribute				
Part Number	FDB0630N1507L	FDB070AN06A0	FDB050AN06A0	FDB070AN06A0
Manufacturer	onsemi	onsemi	Fairchild Semiconductor	Fairchild Semiconductor
FET Feature	-	-	-	-
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Bulk	Bulk
Package / Case	TO-263-7, D <sup>2</sup> Pak (6 Leads + Tab)	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Power Dissipation (Max)	3.8W (Ta), 300W (Tc)	175W (Tc)	245W (Tc)	175W (Tc)
Series	PowerTrench®	PowerTrench®	PowerTrench®	PowerTrench®
Drain to Source Voltage (Vdss)	150 V	60 V	60 V	60 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	6V, 10V	10V
Base Product Number	FDB0630	FDB070	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Vgs (Max)	±20V	±20V	±20V	±20V
Vgs(th) (Max) @ Id	4V @ 250µA	4V @ 250µA	4V @ 250µA	4V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	135 nC @ 10 V	66 nC @ 10 V	80 nC @ 10 V	66 nC @ 10 V
Rds On (Max) @ Id, Vgs	6.4mOhm @ 18A, 10V	7mOhm @ 80A, 10V	5mOhm @ 80A, 10V	7mOhm @ 80A, 10V
Supplier Device Package	TO-263-7	D <sup>2</sup> PAK (TO-263)	D2PAK (TO-263)	D2PAK (TO-263)
Input Capacitance (Ciss) (Max) @ Vds	9895 pF @ 75 V	3000 pF @ 25 V	3900 pF @ 25 V	3000 pF @ 25 V
Current - Continuous Drain (Id) @ 25°C	130A (Tc)	15A (Ta), 80A (Tc)	18A (Ta), 80A (Tc)	15A (Ta), 80A (Tc)

### FDB0630N1507L Datasheet PDF

Download FDB0630N1507L pdf datasheets and onsemi documentation for FDB0630N1507L - onsemi.

#### Datasheets

[FDB0630N1507L.pdf](#)

#### Environmental Information

[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

TO263 31/Aug/2016.pdf

PCN Assembly/Origin

Assembly Change 09/May/2023.pdf

Customers Also Interested in

Recommended Products


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.

Phone +00852 9146 4856	Email info@allelco.com
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Certifications & Memberships



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