

Image may be representation.
See specifications for product details.



FDB024N08BL7

Manufacturer Part Number	FDB024N08BL7
Manufacturer	onsemi
Allelco Part Number	32D-FDB024N08BL7
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 80V 120A TO263-7
Package	TO-263-7, D ² Pak (6 Leads + Tab)
Data sheet	FDB024N08BL7.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

FDB024N08BL7 - onsemi.New Original in Stock. Download Linear Technology FDB024N08BL7 datasheet/specifications on AllelcoElec.com.
Request a quote for FDB024N08BL7, please send us email: info@allelco.com

Specifications

FDB024N08BL7 Tech Specifications

FDB024N08BL7 - 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	4.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	13530 pF @ 40 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	178 nC @ 10 V
Supplier Device Package	TO-263-7	FET Type	N-Channel
Series	PowerTrench®	FET Feature	-
Rds On (Max) @ Id, Vgs	2.4mOhm @ 100A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	246W (Tc)	Drain to Source Voltage (Vdss)	80 V
Package / Case	TO-263-7, D ² Pak (6 Leads + Tab)	Current - Continuous Drain (Id) @ 25°C	120A (Tc)
Package	Tape & Reel (TR)	Base Product Number	FDB024

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDB024N08BL7

Product Attribute				
Part Number	FDB024N08BL7	FDB024N04AL7	FDB024N06	FDB0170N607L
Manufacturer	onsemi	Fairchild Semiconductor	Fairchild Semiconductor	onsemi
Input Capacitance (Ciss) (Max) @ Vds	13530 pF @ 40 V	7300 pF @ 25 V	14885 pF @ 25 V	19250 pF @ 30 V
Package / Case	TO-263-7, D ² Pak (6 Leads + Tab)	TO-263-7, D ² Pak (6 Leads + Tab)	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-7, D ² Pak (6 Leads + Tab)
FET Feature	-	-	-	-
Gate Charge (Qg) (Max) @ Vgs	178 nC @ 10 V	109 nC @ 10 V	226 nC @ 10 V	243 nC @ 10 V
Series	PowerTrench®	PowerTrench®	PowerTrench®	PowerTrench®
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	TO-263-7	TO-263-7	D ² PAK (TO-263)	TO-263-7
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Vgs(th) (Max) @ Id	4.5V @ 250µA	3V @ 250µA	4.5V @ 250µA	4V @ 250µA
Vgs (Max)	±20V	±20V	±20V	±20V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Package	Tape & Reel (TR)	Bulk	Bulk	Tape & Reel (TR)
Base Product Number	FDB024	-	-	FDB0170
Rds On (Max) @ Id, Vgs	2.4mOhm @ 100A, 10V	2.4mOhm @ 80A, 10V	2.4mOhm @ 75A, 10V	1.4mOhm @ 39A, 10V
Power Dissipation (Max)	246W (Tc)	214W (Tc)	395W (Tc)	3.8W (Ta), 250W (Tc)
Current - Continuous Drain (Id) @ 25°C	120A (Tc)	100A (Tc)	120A (Tc)	300A (Tc)
Drain to Source Voltage (Vdss)	80 V	40 V	60 V	60 V

FDB024N08BL7 Datasheet PDF

Download FDB024N08BL7 pdf datasheets and onsemi documentation for FDB024N08BL7 - onsemi.

Datasheets

[FDB024N08BL7.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




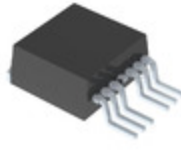
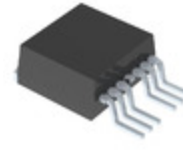
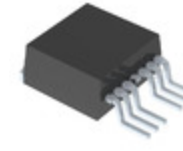


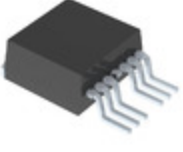






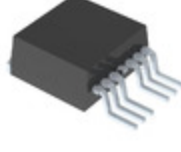
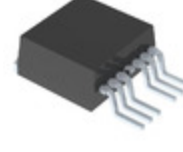

TO263 31/Aug/2016.pdf

PCN Assembly/Origin

Assembly Change 09/May/2023.pdf

Customers Also Interested in

Recommended Products

 FDB024N04AL7 Fairchild Semiconductor MOSFET N-CH 40V 100A TO263-7	 FDB024N06 MOS Fairchild (onsemi)	 FDB024N06 Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 1	 FDB0170N607L onsemi MOSFET N-CH 60V 300A TO263-7	 FDB029N06 onsemi MOSFET N-CH 60V 120A D2PAK	 FDB024N04AL7 onsemi MOSFET N-CH 40V 100A TO263-7
 FDB031N08 MOS Fairchild (onsemi)	 FDB029N06 Fairchild Semiconductor MOSFET N-CH 60V 120A D2PAK	 FDB035AN06A0 onsemi MOSFET N-CH 60V 22A/80A D2PAK	 FDB024N04A Fairchild (onsemi)	 FDB031N08 onsemi MOSFET N-CH 75V 120A D2PAK	 FDB035AN06_F085 Fairchild (onsemi)
 FDB035AN06A0 Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 2	 FDB029N06 MOS Fairchild (onsemi)	 FDB024N04AL7 MOS Fairchild (onsemi)	 FDB0190N807L onsemi MOSFET N-CH 80V 270A TO263-7	 FDB024N06 onsemi MOSFET N-CH 60V 120A D2PAK	 FDB024N08B 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.



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- Cost-Saving Procurement
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