



FDBL0330N80

Manufacturer Part Number	FDBL0330N80
Manufacturer	onsemi
Allelco Part Number	32D-FDBL0330N80
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 80V 220A 8HPSOF
Package	8-PowerSFN
Data sheet	FDBL0330N80.pdf
RoHs Status	ROHS3 Compliant



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FDBL0330N80 - onsemi.New Original in Stock. Download Linear Technology FDBL0330N80 datasheet/specifications on AllelcoElec.com.

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Specifications

FDBL0330N80 Tech Specifications

FDBL0330N80 - 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	6320 pF @ 40 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	112 nC @ 10 V
Supplier Device Package	8-HPSOF	FET Type	N-Channel
Series	PowerTrench®	FET Feature	-
Rds On (Max) @ Id, Vgs	3mOhm @ 80A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	300W (Tc)	Drain to Source Voltage (Vdss)	80 V
Package / Case	8-PowerSFN	Current - Continuous Drain (Id) @ 25°C	220A (Tc)
Package	Tape & Reel (TR)	Base Product Number	FDBL0330

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDBL0330N80

Product Attribute	NO PICTURE			
Part Number	FDBL0330N80	FDBL86210-F085	FDBL0210N80	FDBL0200N100
Manufacturer	onsemi	onsemi	onsemi	onsemi
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Gate Charge (Qg) (Max) @ Vgs	112 nC @ 10 V	90 nC @ 10 V	169 nC @ 10 V	133 nC @ 10 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	80 V	150 V	80 V	100 V
Package / Case	8-PowerSFN	8-PowerSFN	8-PowerSFN	8-PowerSFN
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Vgs (Max)	±20V	±20V	±20V	±20V
FET Feature	-	-	-	-
Series	PowerTrench®	Automotive, AEC-Q101, PowerTrench®	PowerTrench®	-
Base Product Number	FDBL0330	FDBL86210	FDBL0210	FDBL0200
Vgs(th) (Max) @ Id	4V @ 250µA	4V @ 250µA	4V @ 250µA	4.5V @ 250µA
Supplier Device Package	8-HPSOF	8-HPSOF	8-HPSOF	8-HPSOF
Rds On (Max) @ Id, Vgs	3mOhm @ 80A, 10V	6.3mOhm @ 80A, 10V	2mOhm @ 80A, 10V	2mOhm @ 80A, 10V
Input Capacitance (Ciss) (Max) @ Vds	6320 pF @ 40 V	5805 pF @ 75 V	10000 pF @ 40 V	9760 pF @ 50 V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Power Dissipation (Max)	300W (Tc)	500W (Tj)	357W (Tj)	429W (Tc)
Current - Continuous Drain (Id) @ 25°C	220A (Tc)	169A (Tc)	240A (Tc)	300A (Tc)

FDBL0330N80 Datasheet PDF

Download FDBL0330N80 pdf datasheets and onsemi documentation for FDBL0330N80 - onsemi.

Datasheets

[FDBL0330N80.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)













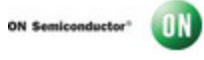
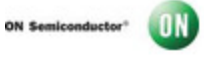




[onsemi RoHS.pdf](#)

PCN Design/Specification

PCN Packaging

Customers Also Interested in

Recommended Products

 FDBL86210-F085 onsemi MOSFET N-CH 150V 169A 8HPSOF	 FDBL86062 AMI Semiconductor/onsemi	 FDBL0210N80 onsemi MOSFET N-CH 80V 240A 8HPSOF	 FDBL0200N100 onsemi MOSFET N-CH 100V 300A 8HPSOF	 FDBL86210 Fairchild Semiconductor N-CHANNEL POWER MOSFET	 FDBL86063 onsemi MOSFET N-CH 100V 240A 8HPSOF
 FDBL0110N60 onsemi MOSFET N-CH 60V 300A 8HPSOF	 FDBL0210N80 Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, N	 FDBL0630N150 onsemi MOSFET N-CH 150V 169A 8HPSOF	 FDBL86066-F085 onsemi MOSFET N-CH 100V 185A 8HPSOF	 FDBL0240N100 onsemi MOSFET N-CH 100V 210A 8HPSOF	 FDBL86061-F085 Fairchild (onsemi)
 FDBL0260N100 onsemi MOSFET N-CH 100V 200A 8HPSOF	 FDBL0150N80 onsemi MOSFET N-CH 80V 300A 8HPSOF	 FDBL0120N40 Fairchild Semiconductor MOSFET N-CH 40V 240A 8HPSOF	 FDBL86062-F085 onsemi MOSFET N-CH 100V 300A 8HPSOF	 FDBL0120N40 onsemi MOSFET N-CH 40V 240A 8HPSOF	 FDBL0090N40 onsemi MOSFET N-CH 40V 240A 8HPSOF

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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