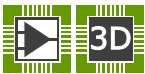





# FDBL0240N100

Manufacturer Part Number	<b>FDBL0240N100</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-FDBL0240N100
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 100V 210A 8HPSOF
Package	8-PowerSFN
Data sheet	<b>FDBL0240N100.pdf</b>
RoHs Status	 ROHS3 Compliant



**Get a Quote**

FDBL0240N100 - onsemi.New Original in Stock. Download Linear Technology FDBL0240N100 datasheet/specifications on AllelcoElec.com.

Request a quote for FDBL0240N100, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications





FDBL0240N100 Tech Specifications

FDBL0240N100 - 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	8755 pF @ 50 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	111 nC @ 10 V
Supplier Device Package	8-HPSOF	FET Type	N-Channel
Series	PowerTrench®	FET Feature	-
Rds On (Max) @ Id, Vgs	2.8mOhm @ 80A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	3.5W (Ta), 300W (Tc)	Drain to Source Voltage (Vdss)	100 V
Package / Case	8-PowerSFN	Current - Continuous Drain (Id) @ 25°C	210A (Tc)
Package	Tape & Reel (TR)	Base Product Number	FDBL0240

## Parts with Similar Specifications


The three parts on the right have similar specifications to onsemi FDBL0240N100

Product Attribute	 NO PICTURE			
Part Number	FDBL0240N100	FDBL0110N60	FDBL0260N100	FDBL0090N40
Manufacturer	onsemi	onsemi	onsemi	Fairchild Semiconductor
Vgs(th) (Max) @ Id	4V @ 250µA	4V @ 250µA	4V @ 250µA	4V @ 250µA
Vgs (Max)	±20V	±20V	±20V	±20V
Rds On (Max) @ Id, Vgs	2.8mOhm @ 80A, 10V	1.1mOhm @ 80A, 10V	2.6mOhm @ 80A, 10V	0.9mOhm @ 80A, 10V
Power Dissipation (Max)	3.5W (Ta), 300W (Tc)	429W (Tj)	3.5W (Ta), 250W (Tc)	357W (Tj)
Base Product Number	FDBL0240	FDBL0110	FDBL0260	-
Supplier Device Package	8-HPSOF	8-HPSOF	8-HPSOF	8-HPSOF
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Gate Charge (Qg) (Max) @ Vgs	111 nC @ 10 V	220 nC @ 10 V	116 nC @ 10 V	188 nC @ 10 V
Current - Continuous Drain (Id) @ 25°C	210A (Tc)	300A (Tc)	200A (Tc)	240A (Tc)
Input Capacitance (Ciss) (Max) @ Vds	8755 pF @ 50 V	13650 pF @ 30 V	9265 pF @ 50 V	12000 pF @ 25 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)
Series	PowerTrench®	PowerTrench®	PowerTrench®	PowerTrench®
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Drain to Source Voltage (Vdss)	100 V	60 V	100 V	40 V
Package / Case	8-PowerSFN	8-PowerSFN	8-PowerSFN	8-PowerSFN
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Bulk
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
FET Feature	-	-	-	-


## FDBL0240N100 Datasheet PDF


Download FDBL0240N100 pdf datasheets and onsemi documentation for FDBL0240N100 - onsemi.

### Datasheets


FDBL0240N100.pdf

### Environmental Information


onsemi REACH.pdf




















onsemi RoHS.pdf

### PCN Design/Specification

## PCN Packaging

## Customers Also Interested in

### Recommended Products

 <b>FDBL0110N60</b> onsemi MOSFET N-CH 60V 300A 8HPSOF	 <b>FDBL0260N100</b> onsemi MOSFET N-CH 100V 200A 8HPSOF	 <b>FDBL0090N40</b> Fairchild Semiconductor MOSFET N-CH 40V 240A 8HPSOF	 <b>FDBL0330N80</b> onsemi MOSFET N-CH 80V 220A 8HPSOF	 <b>FDBL0210N80</b> onsemi MOSFET N-CH 80V 240A 8HPSOF	 <b>FDBL86066-F085</b> onsemi MOSFET N-CH 100V 185A 8HPSOF
 <b>FDBL0150N80</b> onsemi MOSFET N-CH 80V 300A 8HPSOF	 <b>FDBL86063</b> onsemi MOSFET N-CH 100V 240A 8HPSOF	 <b>FDBL0090N40</b> onsemi MOSFET N-CH 40V 240A 8HPSOF	 <b>FDBL0210N80</b> Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, N	 <b>FDBL86061-F085</b> Fairchild (onsemi)	 <b>FDBL0630N150</b> onsemi MOSFET N-CH 150V 169A 8HPSOF
 <b>FDBL0120N40</b> Fairchild Semiconductor MOSFET N-CH 40V 240A 8HPSOF	 <b>FDBL0120N40</b> onsemi MOSFET N-CH 40V 240A 8HPSOF	 <b>FDBL86062-F085</b> onsemi MOSFET N-CH 100V 300A 8HPSOF	 <b>FDBL86210</b> Fairchild Semiconductor N-CHANNEL POWER MOSFET	 <b>FDBL0065N40</b> onsemi MOSFET N-CH 40V 300A 8HPSOF	 <b>FDBL0200N100</b> onsemi MOSFET N-CH 100V 300A 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

Contact us if you have any questions.

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

### Certifications & Memberships



[View More](#)

### Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong  
 Phone: +00852 9146 4856  
 Fax: +00852 3010 8510  
 Email: info@Allelco.com