



Image may be representation.  
See specifications for product details.



## FDN359BN

Manufacturer Part Number	<b>FDN359BN</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-FDN359BN
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 30V 2.7A SUPERSOT3
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	<b>FDN359BN.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

FDN359BN - onsemi.New Original in Stock. Download Linear Technology FDN359BN datasheet/specifications on AllelcoElec.com.  
Request a quote for FDN359BN, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

FDN359BN Tech Specifications

FDN359BN - 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	3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	650 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	7 nC @ 5 V
Supplier Device Package	SOT-23-3	FET Type	N-Channel
Series	PowerTrench®	FET Feature	-
Rds On (Max) @ Id, Vgs	46mOhm @ 2.7A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	500mW (Ta)	Drain to Source Voltage (Vdss)	30 V
Package / Case	TO-236-3, SC-59, SOT-23-3	Current - Continuous Drain (Id) @ 25°C	2.7A (Ta)
Package	Tape & Reel (TR)	Base Product Number	FDN359

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDN359BN

Product Attribute				
Part Number	FDN359BN	<b>FDN359AN</b>	<b>FDN358P</b>	<b>FDN360P</b>
Manufacturer	onsemi	onsemi	onsemi	onsemi
Base Product Number	FDN359	FDN359	FDN358	FDN360
Input Capacitance (Ciss) (Max) @ Vds	650 pF @ 15 V	480 pF @ 10 V	182 pF @ 15 V	298 pF @ 15 V
Rds On (Max) @ Id, Vgs	46mOhm @ 2.7A, 10V	46mOhm @ 2.7A, 10V	125mOhm @ 1.5A, 10V	80mOhm @ 2A, 10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Current - Continuous Drain (Id) @ 25°C	2.7A (Ta)	2.7A (Ta)	1.5A (Ta)	2A (Ta)
Vgs(th) (Max) @ Id	3V @ 250µA	3V @ 250µA	3V @ 250µA	3V @ 250µA
Power Dissipation (Max)	500mW (Ta)	500mW (Ta)	500mW (Ta)	500mW (Ta)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	PowerTrench®	PowerTrench®	PowerTrench®	PowerTrench®
FET Feature	-	-	-	-
Vgs (Max)	±20V	±20V	±20V	±20V
Supplier Device Package	SOT-23-3	SOT-23-3	SOT-23-3	SOT-23-3
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
FET Type	N-Channel	N-Channel	P-Channel	P-Channel
Package / Case	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3
Gate Charge (Qg) (Max) @ Vgs	7 nC @ 5 V	7 nC @ 5 V	5.6 nC @ 10 V	9 nC @ 10 V
Drain to Source Voltage (Vdss)	30 V	30 V	30 V	30 V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V

### FDN359BN Datasheet PDF

Download FDN359BN pdf datasheets and onsemi documentation for FDN359BN - onsemi.

#### Datasheets

[FDN359BN.pdf](#)

#### Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

#### PCN Packaging

Binary Year Code Marking 15/Jan/2014.pdf

## PCN Design/Specification

Marking Lay-out Implementation 07/Oct/2022.pdf

Marking Lay-out Implementation 15/Nov/2021.pdf

## PCN Part Status Change

Status Chg 22/Feb/2017.pdf

## PCN Assembly/Origin

SSOT3 Assembly/Test Chg 7/Jul/2020.pdf

## Customers Also Interested in

### Recommended Products



**FND359AN-NL**  
Fairchild (onsemi)



**FND360N**  
AMI Semiconductor/onsemi



**FND357P-NL**  
Fairchild (onsemi)

**FND360**  
SIPUSEMI



**FND358P MOS**  
Fairchild (onsemi)



**FND359AN MOS**  
Fairchild (onsemi)



**FND360P**  
onsemi  
MOSFET P-CH 30V 2A SUPERSOT3



**FND360P**  
Fairchild Semiconductor  
SMALL SIGNAL FIELD-EFFECT TRANSI



**FND358BN**  
Fairchild (onsemi)



**FND358P-NL**  
AMI Semiconductor/onsemi



**FND360P-NL**  
Fairchild (onsemi)



**FND358P**  
Fairchild Semiconductor  
SMALL SIGNAL FIELD-EFFECT TRANSI



**FND359BN MOS**  
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 Alleco 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@alleco.com

## Certifications & Memberships



View More

Contact us

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