

Image may be representation.  
See specifications for product details.

## FDV303N

Manufacturer Part Number	<b>FDV303N</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-FDV303N
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 25V 680MA SOT23
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	<b>FDV303N.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**



FDV303N - onsemi.New Original in Stock. Download Linear Technology FDV303N datasheet/specifications on AllelcoElec.com.  
Request a quote for FDV303N, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

FDV303N Tech Specifications  
FDV303N - 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	1.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±8V	Input Capacitance (Ciss) (Max) @ Vds	50 pF @ 10 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	2.3 nC @ 4.5 V
Supplier Device Package	SOT-23-3	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	450mOhm @ 500mA, 4.5V	Drive Voltage (Max Rds On, Min Rds On)	2.7V, 4.5V
Power Dissipation (Max)	350mW (Ta)	Drain to Source Voltage (Vdss)	25 V
Package / Case	TO-236-3, SC-59, SOT-23-3	Current - Continuous Drain (Id) @ 25°C	680mA (Ta)
Package	Tape & Reel (TR)	Base Product Number	FDV303

## Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDV303N

Product Attribute				
Part Number	FDV303N	FDV304P	FDV305N	FDV302P
Manufacturer	onsemi	Fairchild Semiconductor	Fairchild Semiconductor	onsemi
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
Power Dissipation (Max)	350mW (Ta)	350mW (Ta)	350mW (Ta)	350mW (Ta)
Gate Charge (Qg) (Max) @ Vgs	2.3 nC @ 4.5 V	1.5 nC @ 4.5 V	1.5 nC @ 4.5 V	0.31 nC @ 4.5 V
Rds On (Max) @ Id, Vgs	450mOhm @ 500mA, 4.5V	1.10hm @ 500mA, 4.5V	220mOhm @ 900mA, 4.5V	100hm @ 200mA, 4.5V
Drive Voltage (Max Rds On, Min Rds On)	2.7V, 4.5V	2.7V, 4.5V	2.5V, 4.5V	2.7V, 4.5V
Drain to Source Voltage (Vdss)	25 V	25 V	20 V	25 V
Package	Tape & Reel (TR)	Bulk	Bulk	Tape & Reel (TR)
Current - Continuous Drain (Id) @ 25°C	680mA (Ta)	460mA (Ta)	900mA (Ta)	120mA (Ta)
FET Feature	-	-	-	-
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
FET Type	N-Channel	P-Channel	N-Channel	P-Channel
Input Capacitance (Ciss) (Max) @ Vds	50 pF @ 10 V	63 pF @ 10 V	109 pF @ 10 V	11 pF @ 10 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Series	-	-	PowerTrench®	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	SOT-23-3	SOT-23-3	SOT-23-3	SOT-23-3
Base Product Number	FDV303	-	-	FDV30
Vgs (Max)	±8V	±8V	±12V	-8V
Vgs(th) (Max) @ Id	1.5V @ 250µA	1.5V @ 250µA	1.5V @ 250µA	1.5V @ 250µA

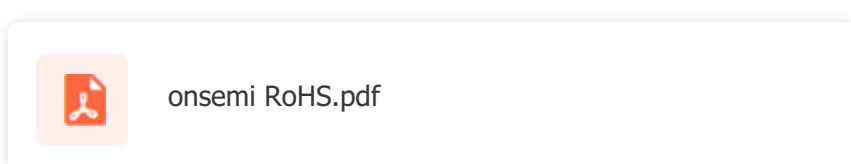
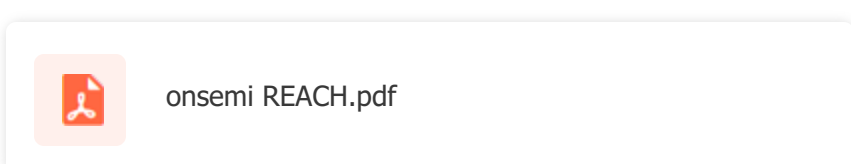
## FDV303N Datasheet PDF

Download FDV303N pdf datasheets and onsemi documentation for FDV303N - onsemi.

### Datasheets



### Environmental Information



### PCN Packaging

Mult Devices 24/Oct/2017.pdf

Binary Year Code Marking 15/Jan/2014.pdf

### PCN Design/Specification

Mult Dev 07/Jun/2023.pdf

FDV303N 11-02-22.pdf

### PCN Assembly/Origin

Assembly Change 17/May/2023.pdf

## Customers Also Interested in

### Recommended Products



**FDV304P MOS**  
Fairchild (onsemi)



**FDV303**  
Fairchild (onsemi)



**FDV301N-NL**  
Fairchild (onsemi)



**FDV304**  
Fairchild (onsemi)



**FDV304P**  
Fairchild Semiconductor  
SMALL SIGNAL FIELD-EFFECT  
TRANSI



**FDV302P-NL**  
Fairchild (onsemi)



**FDV303N-NL**  
Fairchild (onsemi)



**FDV305N**  
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SMALL SIGNAL FIELD-EFFECT  
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**FDV302P**  
onsemi  
MOSFET P-CH 25V 120MA SOT23



**FDV305N**  
onsemi  
MOSFET N-CH 20V 900MA SOT23



**FDV304P**  
onsemi  
MOSFET P-CH 25V 460MA SOT23



**FDV302P MOS**  
Fairchild (onsemi)



**FDV301N\_NL**  
Fairchild (onsemi)



**FDV304P-NL**  
Fairchild (onsemi)



**FDV301N-G**  
AMI Semiconductor/onsemi



**FDV303N MOS**  
Fairchild (onsemi)



**FDV302P**  
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SMALL SIGNAL FIELD-EFFECT  
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**FDV303N\_NL**  
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.



### 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



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