



Image may be representation.
See specifications for product details.



FDG6303N

Manufacturer Part Number	FDG6303N
Manufacturer	onsemi
Allelco Part Number	32D-FDG6303N
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET 2N-CH 25V 500MA SC88
Package	6-TSSOP, SC-88, SOT-363
Data sheet	FDG6303N.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

FDG6303N - onsemi.New Original in Stock. Download Linear Technology FDG6303N datasheet/specifications on AllelcoElec.com.
Request a quote for FDG6303N, please send us email: info@allelco.com

Specifications

FDG6303N Tech Specifications

FDG6303N - 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
Technology	MOSFET (Metal Oxide)	Input Capacitance (Ciss) (Max) @ Vds	50pF @ 10V
Supplier Device Package	SC-88 (SC-70-6)	Gate Charge (Qg) (Max) @ Vgs	2.3nC @ 4.5V
Series	-	FET Feature	Logic Level Gate
Rds On (Max) @ Id, Vgs	450mOhm @ 500mA, 4.5V	Drain to Source Voltage (Vdss)	25V
Power - Max	300mW	Current - Continuous Drain (Id) @ 25°C	500mA
Package / Case	6-TSSOP, SC-88, SOT-363	Configuration	2 N-Channel (Dual)
Package	Tape & Reel (TR)	Base Product Number	FDG6303

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDG6303N

Product Attribute				
Part Number	FDG6303N	FDG6306P	FDG6301N	FDG6302P
Manufacturer	onsemi	onsemi	onsemi	onsemi
Input Capacitance (Ciss) (Max) @ Vds	50pF @ 10V	114pF @ 10V	9.5pF @ 10V	12pF @ 10V
Rds On (Max) @ Id, Vgs	450mOhm @ 500mA, 4.5V	420mOhm @ 600mA, 4.5V	40hm @ 220mA, 4.5V	100hm @ 140mA, 4.5V
Drain to Source Voltage (Vdss)	25V	20V	25V	25V
Current - Continuous Drain (Id) @ 25°C	500mA	600mA	220mA	140mA
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Series	-	PowerTrench®	-	-
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	1.5V @ 250µA	1.5V @ 250µA	1.5V @ 250µA	1.5V @ 250µA
Power - Max	300mW	300mW	300mW	300mW
Base Product Number	FDG6303	FDG6306	FDG6301	FDG6302
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Feature	Logic Level Gate	Logic Level Gate	Logic Level Gate	Logic Level Gate
Gate Charge (Qg) (Max) @ Vgs	2.3nC @ 4.5V	2nC @ 4.5V	0.4nC @ 4.5V	0.31nC @ 4.5V
Configuration	2 N-Channel (Dual)	2 P-Channel (Dual)	2 N-Channel (Dual)	2 P-Channel (Dual)
Supplier Device Package	SC-88 (SC-70-6)	SC-88 (SC-70-6)	SC-88 (SC-70-6)	SC-88 (SC-70-6)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	6-TSSOP, SC-88, SOT-363	6-TSSOP, SC-88, SOT-363	6-TSSOP, SC-88, SOT-363	6-TSSOP, SC-88, SOT-363

FDG6303N Datasheet PDF

Download FDG6303N pdf datasheets and onsemi documentation for FDG6303N - onsemi.

Datasheets

[FDG6303N.pdf](#)

Environmental Information

[onsemi RoHS.pdf](#)

PCN Design/Specification

[Logo 17/Aug/2017.pdf](#)

[2N7002x/BSSx/FDGx/FDVx/NDS06x 10/May/2022.pdf](#)

PCN Packaging

[\[Link\]](#)

[\[Link\]](#)

PCN Assembly/Origin

Multi Dev 20/Sep/2022.pdf

Customers Also Interested in

Recommended Products

FDG6302P MOS Fairchild (onsemi)	FDG6304P-NL Fairchild (onsemi)	FDG6301N_F085 AMI Semiconductor/onsemi	FDG6306P onsemi MOSFET 2P-CH 20V 600MA SC88	FDG6301N onsemi MOSFET 2N-CH 25V 0.22A SC70-6	FDG6302P onsemi MOSFET 2P-CH 25V 0.14A SC70-6
FDG6301N-F085 onsemi MOSFET 2N-CH 25V 0.22A SC70-6	FDG6304P MOS Fairchild (onsemi)	FDG6301N-NL Fairchild (onsemi)	FDG6301N MOS Fairchild (onsemi)	FDG6304 AMI Semiconductor/onsemi	FDG6304P onsemi MOSFET 2P-CH 25V 0.41A SC70-6
FDG6301N-F085P onsemi DUAL NMOS SC70-6 25V 40HM	FDG6302P-NL Fairchild (onsemi)	FDG6303N MOS Fairchild (onsemi)	FDG6303N-NL Fairchild (onsemi)	FDG6302P Fairchild Semiconductor SMALL SIGNAL P-CHANNEL MOSFET	FDG6303NDKR-ND 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	Email
+00852 9146 4856	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