



FDC6312P

Manufacturer Part Number	FDC6312P
Manufacturer	onsemi
Allelco Part Number	32D-FDC6312P
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET 2P-CH 20V 2.3A SSOT-6
Package	SOT-23-6 Thin, TSOT-23-6
Data sheet	FDC6312P.pdf
RoHS Status	ROHS3 Compliant



Get a Quote

FDC6312P - onsemi.New Original in Stock. Download Linear Technology FDC6312P datasheet/specifications on AllelcoElec.com.
Request a quote for FDC6312P, please send us email: info@allelco.com

Specifications

FDC6312P Tech Specifications

FDC6312P - 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	467pF @ 10V
Supplier Device Package	SuperSOT™-6	Gate Charge (Qg) (Max) @ Vgs	7nC @ 4.5V
Series	PowerTrench®	FET Feature	Logic Level Gate
Rds On (Max) @ Id, Vgs	115mOhm @ 2.3A, 4.5V	Drain to Source Voltage (Vdss)	20V
Power - Max	700mW	Current - Continuous Drain (Id) @ 25°C	2.3A
Package / Case	SOT-23-6 Thin, TSOT-23-6	Configuration	2 P-Channel (Dual)
Package	Tape & Reel (TR)	Base Product Number	FDC6312

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDC6312P

Product Attribute	NO PICTURE			
Part Number	FDC6312P	FDC6320C	FDC6310P	FDC6318P
Manufacturer	onsemi	onsemi	Fairchild Semiconductor	onsemi
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Series	PowerTrench®	-	PowerTrench®	PowerTrench®
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Gate Charge (Qg) (Max) @ Vgs	7nC @ 4.5V	0.4nC @ 4.5V	5.2nC @ 4.5V	8nC @ 4.5V
Current - Continuous Drain (Id) @ 25°C	2.3A	220mA, 120mA	2.2A	2.5A
Configuration	2 P-Channel (Dual)	N and P-Channel	2 P-Channel (Dual)	2 P-Channel (Dual)
FET Feature	Logic Level Gate	Logic Level Gate	Logic Level Gate	Logic Level Gate
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Vgs(th) (Max) @ Id	1.5V @ 250µA	1.5V @ 250µA	1.5V @ 250µA	1.5V @ 250µA
Rds On (Max) @ Id, Vgs	115mOhm @ 2.3A, 4.5V	40hm @ 400mA, 4.5V	125mOhm @ 2.2A, 4.5V	90mOhm @ 2.5A, 4.5V
Power - Max	700mW	700mW	700mW	700mW
Input Capacitance (Ciss) (Max) @ Vds	467pF @ 10V	9.5pF @ 10V	337pF @ 10V	455pF @ 6V
Package / Case	SOT-23-6 Thin, TSOT-23-6	SOT-23-6 Thin, TSOT-23-6	SOT-23-6 Thin, TSOT-23-6	SOT-23-6 Thin, TSOT-23-6
Supplier Device Package	SuperSOT™-6	SuperSOT™-6	SuperSOT™-6	SuperSOT™-6
Drain to Source Voltage (Vdss)	20V	25V	20V	12V
Base Product Number	FDC6312	FDC6320	FDC6310	FDC6318
Package	Tape & Reel (TR)	Tape & Reel (TR)	Bulk	Tape & Reel (TR)

FDC6312P Datasheet PDF

Download FDC6312P pdf datasheets and onsemi documentation for FDC6312P - onsemi.

Datasheets

FDC6312P.pdf

Environmental Information

onsemi REACH.pdf

onsemi RoHS.pdf

PCN Design/Specification

Marking Change 07/Oct/2022.pdf

Marking Change 17/Nov/2021.pdf



















PCN Packaging

PCN Assembly/Origin

Assembly 11/Nov/2020.pdf

Customers Also Interested in

Recommended Products

 <p>FDC6306P MOS AMI Semiconductor/onsemi</p>	 <p>FDC6320C onsemi MOSFET N/P-CH 25V SSOT6</p>	 <p>FDC6318P MOS Fairchild (onsemi)</p>	 <p>FDC6310P Fairchild Semiconductor SMALL SIGNAL FIELD-EFFECT TRANSI</p>	 <p>FDC6318P onsemi MOSFET 2P-CH 12V 2.5A SSOT-6</p>	 <p>FDC6312P-NL Fairchild (onsemi)</p>
 <p>FDC6312P MOS Fairchild (onsemi)</p>	 <p>FDC6308 AMI Semiconductor/onsemi</p>	 <p>FDC6312 MI</p>	 <p>FDC6306P-NL Fairchild (onsemi)</p>	 <p>FDC6310P MOS Fairchild (onsemi)</p>	 <p>FDC6312/RCR1591SL FAIRCHILD/RCR</p>
 <p>FDC6308P Fairchild Semiconductor P-CHANNEL MOSFET</p>	 <p>FDC6312C Fairchild (onsemi)</p>	 <p>FDC6320C Fairchild Semiconductor SMALL SIGNAL FIELD-EFFECT TRANSI</p>	 <p>FDC6318P-NL Fairchild (onsemi)</p>	 <p>FDC6310P onsemi MOSFET 2P-CH 20V 2.2A SSOT6</p>	 <p>FDC631N Fairchild (onsemi)</p>

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.

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Certifications & Memberships



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