



# FDPC8012S

Manufacturer Part Number	<b>FDPC8012S</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-FDPC8012S
ECAD Model	Request Free CAD Models
Parts Description	MOSFET 2N-CH 25V 13A/26A PWR CLP
Package	8-PowerWDFN
Data sheet	<b>FDPC8012S.pdf</b>
RoHs Status	ROHS3 Compliant



**Get a Quote**

FDPC8012S - onsemi.New Original in Stock. Download Linear Technology FDPC8012S datasheet/specifications on AllelcoElec.com.  
Request a quote for FDPC8012S, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

FDPC8012S Tech Specifications

FDPC8012S - 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	2.2V @ 250µA	Mounting Type	Surface Mount
Technology	MOSFET (Metal Oxide)	Input Capacitance (Ciss) (Max) @ Vds	1075pF @ 13V
Supplier Device Package	Powerclip-33	Gate Charge (Qg) (Max) @ Vgs	8nC @ 4.5V
Series	PowerTrench®	FET Feature	Logic Level Gate
Rds On (Max) @ Id, Vgs	7mOhm @ 12A, 4.5V	Drain to Source Voltage (Vdss)	25V
Power - Max	800mW, 900mW	Current - Continuous Drain (Id) @ 25°C	13A, 26A
Package / Case	8-PowerWDFN	Configuration	2 N-Channel (Dual) Asymmetrical
Package	Tape & Reel (TR)	Base Product Number	FDPC8012

## Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FDPC8012S

Product Attribute	NO PICTURE			
Part Number	FDPC8012S	FDPF035N06B	FDPC8016S	FDPC1002S
Manufacturer	onsemi	Fairchild Semiconductor	onsemi	Fairchild Semiconductor
Gate Charge (Qg) (Max) @ Vgs	8nC @ 4.5V	-	35nC @ 10V	19nC @ 10V, 64nC @ 10V
Drain to Source Voltage (Vdss)	25V	-	25V	25V
Current - Continuous Drain (Id) @ 25°C	13A, 26A	-	20A, 35A	13A (Ta), 20A (Tc), 27A (Ta), 60A (Tc)
Vgs(th) (Max) @ Id	2.2V @ 250µA	-	2.5V @ 250µA	2.2V @ 250µA, 2.2V @ 1mA
Supplier Device Package	Powerclip-33	-	Power Clip 56	Powerclip-33
Technology	MOSFET (Metal Oxide)	-	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Input Capacitance (Ciss) (Max) @ Vds	1075pF @ 13V	-	2375pF @ 13V	1240pF @ 13V, 4335pF @ 13V
FET Feature	Logic Level Gate	-	Logic Level Gate	-
Base Product Number	FDPC8012	FDPF035	FDPC8016	FDPC1
Power - Max	800mW, 900mW	-	2.1W, 2.3W	1.6W (Ta), 2W (Ta)
Rds On (Max) @ Id, Vgs	7mOhm @ 12A, 4.5V	-	3.8mOhm @ 20A, 10V	6mOhm @ 13A, 10V, 1.8mOhm @ 27A, 10V
Package	Tape & Reel (TR)	Bulk	Tape & Reel (TR)	Bulk
Series	PowerTrench®	*	PowerTrench®	PowerTrench®
Package / Case	8-PowerWDFN	-	8-PowerWDFN	8-PowerWDFN
Operating Temperature	-55°C ~ 150°C (TJ)	-	-55°C ~ 150°C (TJ)	-55°C ~ 150°C
Configuration	2 N-Channel (Dual) Asymmetrical	-	2 N-Channel (Dual) Asymmetrical	2 N-Channel (Dual)
Mounting Type	Surface Mount	-	Surface Mount	Surface Mount

## FDPC8012S Datasheet PDF

Download FDPC8012S pdf datasheets and onsemi documentation for FDPC8012S - onsemi.

### Datasheets

[FDPC8012S.pdf](#)

### Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

### PCN Design/Specification



















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

### PCN Packaging

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 <p><b>FDPF041N06BL1</b> Fairchild Semiconductor MOSFET N-CH 60V 77A TO220F</p>	 <p><b>FDP8N50NZ</b> Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 8</p>	 <p><b>FDP8896 MOS</b> Fairchild (onsemi)</p>	 <p><b>FDPF035N06B MOS</b> Fairchild (onsemi)</p>	 <p><b>FDPF035N06B</b> Fairchild Semiconductor 88A, 60V, 0.0035OHM, N CHANNEL ,</p>	 <p><b>FDP8896</b> onsemi MOSFET N-CH 30V 16A/92A TO220-3</p>
 <p><b>FDPC8016S</b> onsemi MOSFET 2N-CH 25V 8PWRCLIP</p>	 <p><b>FDPC1002S</b> Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 1</p>	 <p><b>FDP8896</b> Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, 8</p>	 <p><b>FDPC8016S MOS</b> Fairchild (onsemi)</p>	 <p><b>FDPC5030SG</b> onsemi MOSFET 2N-CH 30V PWRCLIP56</p>	 <p><b>FDPC8013S</b> onsemi MOSFET 2N-CH 30V 13A/26A 3.3MM</p>
 <p><b>FDPC5018SG</b> onsemi MOSFET 2N-CH 30V PWRCLIP56</p>	 <p><b>FDPC8011S</b> onsemi MOSFET 2N-CH 25V 13A/27A 8PQFN</p>	 <p><b>FDPF041N06BL1</b> onsemi MOSFET N-CH 60V 77A TO220F</p>	 <p><b>FDPC8014S</b> onsemi MOSFET 2N-CH 25V 8PWRCLIP</p>	 <p><b>FDP8N50NZ</b> onsemi MOSFET N-CH 500V 8A TO220-3</p>	 <p><b>FDPC1002S</b> onsemi MOSFET</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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