



Image may be representation.
See specifications for product details.



FOD3182SD

Manufacturer Part Number	FOD3182SD
Manufacturer	onsemi
Allelco Part Number	32D-FOD3182SD
ECAD Model	Request Free CAD Models
Parts Description	OPTOISO 5KV 1CH GATE DRIVER 8SMD
Package	8-SMD, Gull Wing
Data sheet	FOD3182.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

FOD3182SD - onsemi.New Original in Stock. Download Linear Technology FOD3182SD datasheet/specifications on AllelcoElec.com.
Request a quote for FOD3182SD, please send us email: info@allelco.com

Specifications

FOD3182SD Tech Specifications

FOD3182SD - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package	Tape & Reel (TR)
Voltage - Output Supply	10V ~ 30V	Operating Temperature	-40°C ~ 100°C
Voltage - Isolation	5000Vrms	Number of Channels	1
Voltage - Forward (Vf) (Typ)	1.43V	Mounting Type	Surface Mount
Technology	Optical Coupling	Current - Peak Output	3A
Supplier Device Package	8-SMD	Current - Output High, Low	2.5A, 2.5A
Series	-	Current - DC Forward (If) (Max)	25 mA
Rise / Fall Time (Typ)	38ns, 24ns	Common Mode Transient Immunity (Min)	35kV/μs
Pulse Width Distortion (Max)	65ns	Base Product Number	FOD3182
Propagation Delay tpLH / tpHL (Max)	210ns, 210ns	Approval Agency	UL
Package / Case	8-SMD, Gull Wing		

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FOD3182SD

Product Attribute				
Part Number	FOD3182SD	FOD3184SD	FOD3180TV	FOD3180SV
Manufacturer	onsemi	onsemi	onsemi	Fairchild Semiconductor
Base Product Number	FOD3182	FOD3184	FOD3180	-
Voltage - Isolation	5000Vrms	5000Vrms	5000Vrms	5000Vrms
Pulse Width Distortion (Max)	65ns	65ns	65ns	65ns
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Series	-	-	-	-
Current - DC Forward (If) (Max)	25 mA	25 mA	25 mA	25 mA
Technology	Optical Coupling	Optical Coupling	Optical Coupling	Optical Coupling
Propagation Delay tpLH / tpHL (Max)	210ns, 210ns	210ns, 210ns	200ns, 200ns	200ns, 200ns
Voltage - Output Supply	10V ~ 30V	15V ~ 30V	10V ~ 20V	10V ~ 20V
Current - Peak Output	3A	3A	2.5A	2.5A
Rise / Fall Time (Typ)	38ns, 24ns	38ns, 24ns	75ns, 55ns	75ns, 55ns
Voltage - Forward (Vf) (Typ)	1.43V	1.43V	1.43V	1.43V
Package / Case	8-SMD, Gull Wing	8-SMD, Gull Wing	8-DIP (0.400", 10.16mm)	8-SMD, Gull Wing
Supplier Device Package	8-SMD	8-SMD	8-MDIP	8-SMD
Common Mode Transient Immunity (Min)	35kV/μs	35kV/μs	15kV/μs	15kV/μs
Current - Output High, Low	2.5A, 2.5A	2.5A, 2.5A	2A, 2A	2A, 2A
Operating Temperature	-40°C ~ 100°C	-40°C ~ 100°C	-40°C ~ 100°C	-40°C ~ 100°C
Approval Agency	UL	UL	cUL, UL, VDE	cUL, UL, VDE
Number of Channels	1	1	1	1
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Bulk

FOD3182SD Datasheet PDF

Download FOD3182SD pdf datasheets and onsemi documentation for FOD3182SD - onsemi.

Datasheets

[FOD3182.pdf](#)

Environmental Information

[onsemi RoHS.pdf](#)

[Material Declaration FOD3182SD.pdf](#)

PCN Design/Specification

 Cylindrical Battery Holders.pdf

PCN Packaging












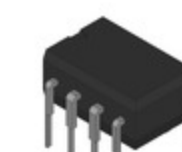






 2.73KHz.pdf

PCN Assembly/Origin

 2.73KHz.pdf

Customers Also Interested in

Recommended Products

					
FOD3184SD onsemi OPTOISO 5KV 1CH GATE DRIVER 8SMD	FOD3180TV onsemi OPTOISO 5KV 1CH GATE DRIVER 8DIP	FOD3180SV Fairchild Semiconductor FET OUTPUT OPTOCOUPLER	FOD3181SD onsemi OPTOISO 5KV 1CH GATE DRIVER 8SMD	FOD3181 onsemi OPTOISO 5KV 1CH GATE DRIVER 8DIP	FOD3180V onsemi OPTOISO 5KV 1CH GATE DRIVER 8DIP
					
FOD3182V Fairchild Semiconductor LOGIC IC OUTPUT OPTOCOUPLER, 500	FOD3182S onsemi OPTOISO 5KV 1CH GATE DRIVER 8SMD	FOD3184SDV onsemi OPTOISO 5KV 1CH GATE DRIVER 8SMD	FOD3182V onsemi OPTOISO 5KV 1CH GATE DRIVER 8DIP	FOD3184S onsemi OPTOISO 5KV 1CH GATE DRIVER 8SMD	FOD3184 Fairchild Semiconductor LOGIC IC OUTPUT OPTOCOUPLER, 500
					
FOD3181S onsemi OPTOISO 5KV 1CH GATE DRIVER 8SMD	FOD3180T onsemi OPTOISO 5KV 1CH GATE DRIVER 8DIP	FOD3182TSV onsemi OPTOISO 5KV 1CH GATE DRIVER 8SMD	FOD3184 onsemi OPTOISO 5KV 1CH GATE DRIVER 8DIP	FOD3182 onsemi OPTOISO 5KV 1CH GATE DRIVER 8DIP	FOD3181 Fairchild Semiconductor FET OUTPUT OPTOCOUPLER

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.

 Phone +00852 9146 4856	 Email info@allelco.com
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Certifications & Memberships



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