

Image may be representation.  
See specifications for product details.



## FOD8012AR2

Manufacturer Part Number	<b>FOD8012AR2</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-FOD8012AR2
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	OPTOISO 3.75KV 2CH PUSH PULL 8SO
Package	8-SOIC (0.154', 3.90mm Width)
Data sheet	<b>FOD8012A.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

FOD8012AR2 - onsemi.New Original in Stock. Download Linear Technology FOD8012AR2 datasheet/specifications on AllelcoElec.com.  
Request a quote for FOD8012AR2, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

FOD8012AR2 Tech Specifications

FOD8012AR2 - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-40°C ~ 110°C
Voltage - Supply	3V ~ 3.6V, 4.5V ~ 5.5V	Number of Channels	2
Voltage - Isolation	3750Vrms	Mounting Type	Surface Mount
Voltage - Forward (Vf) (Typ)	-	Inputs - Side 1/Side 2	1/1
Supplier Device Package	8-SOIC	Input Type	Logic
Series	-	Data Rate	15Mbps
Rise / Fall Time (Typ)	6.5ns, 6.5ns	Current - Output / Channel	10 mA
Propagation Delay tpLH / tpHL (Max)	60ns, 60ns	Current - DC Forward (If) (Max)	-
Package / Case	8-SOIC (0.154', 3.90mm Width)	Common Mode Transient Immunity (Min)	20kV/μs
Package	Tape & Reel (TR)	Base Product Number	FOD8012
Output Type	Push-Pull, Totem Pole		

## Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FOD8012AR2

Product Attribute				
Part Number	FOD8012AR2	FOD8001R2	FOD8012A	FOD8012R2
Manufacturer	onsemi	Fairchild Semiconductor	onsemi	AMI Semiconductor / ON Semiconductor
Operating Temperature	-40°C ~ 110°C	-40°C ~ 105°C	-40°C ~ 110°C	-40°C ~ 110°C
Voltage - Isolation	3750Vrms	3750Vrms	3750Vrms	3750Vrms
Base Product Number	FOD8012	-	FOD8012	-
Package / Case	8-SOIC (0.154', 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154', 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)
Data Rate	15Mbps	25Mbps	15Mbps	15Mbps
Current - DC Forward (If) (Max)	-	-	-	-
Rise / Fall Time (Typ)	6.5ns, 6.5ns	6.5ns, 6.5ns	6.5ns, 6.5ns	6.5ns, 6.5ns
Input Type	Logic	Logic	Logic	Logic
Propagation Delay tpLH / tpHL (Max)	60ns, 60ns	40ns, 40ns	60ns, 60ns	60ns, 60ns
Voltage - Supply	3V ~ 3.6V, 4.5V ~ 5.5V	3V ~ 3.6V, 4.5V ~ 5.5V	3V ~ 3.6V, 4.5V ~ 5.5V	3 V ~ 3.6 V, 4.5 V ~ 5.5 V
Output Type	Push-Pull, Totem Pole	Push-Pull, Totem Pole	Push-Pull, Totem Pole	Push-Pull, Totem Pole
Package	Tape & Reel (TR)	Bulk	Tube	-
Current - Output / Channel	10 mA	10 mA	10 mA	10mA
Supplier Device Package	8-SOIC	8-SOIC	8-SOIC	8-SO Tall
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Channels	2	1	2	2
Inputs - Side 1/Side 2	1/1	1/0	1/1	1/1
Voltage - Forward (Vf) (Typ)	-	-	-	-
Common Mode Transient Immunity (Min)	20kV/μs	20kV/μs	20kV/μs	20kV/μs
Series	-	-	-	-

## FOD8012AR2 Datasheet PDF

Download FOD8012AR2 pdf datasheets and onsemi documentation for FOD8012AR2 - onsemi.

### Datasheets

FOD8012A.pdf

### Environmental Information

onsemi RoHS.pdf

onsemi REACH.pdf

Material Declaration FOD8012AR2.pdf

## PCN Design/Specification

 Cylindrical Battery Holders.pdf



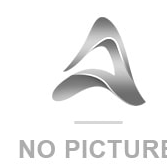

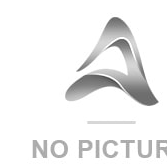


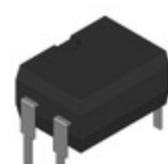










## PCN Packaging

 Mult Devices 24/Oct/2017.pdf

 Mult MSL1 Pkg Rev 20/Dec/2018.pdf

## Customers Also Interested in

### Recommended Products

					
<b>FOD8001R2</b> Fairchild Semiconductor HIGH NOISE IMMUNITY, 3.3V/5V LOG	<b>FOD8012A</b> onsemi OPTOISO 3.75KV 2CH PUSH PULL 8SO	<b>FOD727M</b> FAIRCHI NO PICTURE	<b>FOD814</b> onsemi OPTOISOLATOR 5KV TRANSISTOR 4DIP	<b>FOD721</b> FAIRCHI NO PICTURE	<b>FOD814A</b> onsemi OPTOISOLATOR 5KV TRANSISTOR 4DIP
					
<b>FOD8012</b> AMI Semiconductor/onsemi	<b>FOD814</b> Fairchild Semiconductor AC INPUT-TRANSISTOR OUTPUT OPTOC	<b>FOD8012R2</b> AMI Semiconductor / ON Semiconductor OPTOISO 3.75KV 2CH PUSH PULL 8SO	<b>FOD8001R2</b> onsemi OPTOISO 3.75KV PUSH PULL 8SO	<b>FOD8143SD</b> onsemi OPTOISOLATOR 5KV TRANSISTOR 4SMD	<b>FOD814A300</b> onsemi OPTOISOLATOR 5KV TRANSISTOR 4DIP
					
<b>FOD73L</b> Fairchild (onsemi)	<b>FOD733M</b> FAIRCHI NO PICTURE	<b>FOD8143S</b> onsemi OPTOISOLATOR 5KV TRANSISTOR 4SMD	<b>FOD8143S</b> Fairchild Semiconductor AC INPUT-TRANSISTOR OUTPUT OPTOC	<b>FOD814300</b> onsemi OPTOISOLATOR 5KV TRANSISTOR 4DIP	<b>FOD8001</b> onsemi OPTOISO 3.75KV PUSH PULL 8SO

## 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

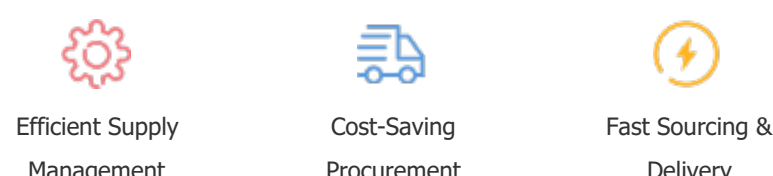
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

### Payment Support

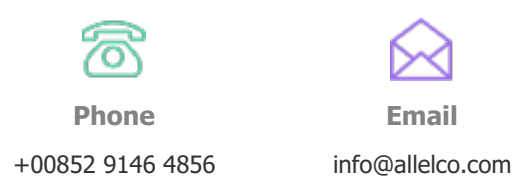
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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