



Image may be representation.
See specifications for product details.



FOD8316R2V

Manufacturer Part Number	FOD8316R2V
Manufacturer	onsemi
Allelco Part Number	32D-FOD8316R2V
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	OPTOISO 4.243KV GATE DRIVER 16SO
Package	16-SOIC (0.295", 7.50mm Width)
Data sheet	Cylindrical Battery Holders.pdf Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

FOD8316R2V - onsemi.New Original in Stock. Download Linear Technology FOD8316R2V datasheet/specifications on AllelcoElec.com.
Request a quote for FOD8316R2V, please send us email: info@allelco.com

Specifications

FOD8316R2V Tech Specifications

FOD8316R2V - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package / Case	16-SOIC (0.295", 7.50mm Width)
Voltage - Output Supply	15V ~ 30V	Package	Tape & Reel (TR)
Voltage - Isolation	4243Vrms	Operating Temperature	-40°C ~ 100°C
Voltage - Forward (Vf) (Typ)	-	Number of Channels	1
Technology	Optical Coupling	Mounting Type	Surface Mount
Supplier Device Package	16-SO	Current - Peak Output	3A
Series	-	Current - Output High, Low	2.5A, 2.5A
Rise / Fall Time (Typ)	34ns, 34ns	Common Mode Transient Immunity (Min)	35kV/μs
Pulse Width Distortion (Max)	300ns	Base Product Number	FOD8316
Propagation Delay tpLH / tpHL (Max)	500ns, 500ns	Approval Agency	IEC/EN/DIN, UL

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi FOD8316R2V

Product Attribute				
Part Number	FOD8316R2V	FOD8314	FOD8332	FOD8332R2
Manufacturer	onsemi	onsemi	onsemi	onsemi
Current - Output High, Low	2.5A, 2.5A	1A, 1A	2.5A, 2.5A	2.5A, 2.5A
Operating Temperature	-40°C ~ 100°C	-40°C ~ 100°C	-40°C ~ 100°C	-40°C ~ 100°C
Common Mode Transient Immunity (Min)	35kV/μs	20kV/μs	35kV/μs	35kV/μs
Propagation Delay tpLH / tpHL (Max)	500ns, 500ns	500ns, 500ns	250ns, 250ns	250ns, 250ns
Technology	Optical Coupling	Optical Coupling	Optical Coupling	Optical Coupling
Supplier Device Package	16-SO	6-SOP	16-SO	16-SO
Package / Case	16-SOIC (0.295", 7.50mm Width)	6-SOIC (0.268", 6.80mm Width)	16-SOIC (0.295", 7.50mm Width)	16-SOIC (0.295", 7.50mm Width)
Package	Tape & Reel (TR)	Tube	Tube	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Forward (Vf) (Typ)	-	1.5V	1.45V	1.45V
Base Product Number	FOD8316	FOD831	FOD833	FOD8332
Approval Agency	IEC/EN/DIN, UL	UL	UL	UL
Series	-	-	-	-
Voltage - Output Supply	15V ~ 30V	16V ~ 30V	3V ~ 15V	3V ~ 15V
Voltage - Isolation	4243Vrms	5000Vrms	4243Vrms	4243Vrms
Current - Peak Output	3A	1.5A	3A	3A
Rise / Fall Time (Typ)	34ns, 34ns	60ns, 40ns	50ns, 50ns	50ns, 50ns
Pulse Width Distortion (Max)	300ns	300ns	100ns	100ns
Number of Channels	1	1	1	1

FOD8316R2V Datasheet PDF

Download FOD8316R2V pdf datasheets and onsemi documentation for FOD8316R2V - onsemi.

Datasheets

[Cylindrical Battery Holders.pdf](#)

Environmental Information

[onsemi RoHS.pdf](#)

[Material Declaration FOD8316R2V.pdf](#)

PCN Design/Specification

 Cylindrical Battery Holders.pdf

PCN Packaging

 2.73KHz.pdf

PCN Assembly/Origin

 2.73KHz.pdf

PCN Other

 Product alert 04/Feb/2019.pdf

HTML Datasheet

 Cylindrical Battery Holders.pdf

Customers Also Interested in

Recommended Products



FOD817DSD

onsemi
OPTOISOLATOR 5KV TRANSISTOR
4SMD



FOD8314

onsemi
OPTOISO 5KV 1CH GATE DRIVER
6SOP



FOD817SD

onsemi
OPTOISOLATOR 5KV TRANSISTOR
4SMD



FOD8332

onsemi
OPTOISO 4.243KV GATE DRIVER
16SO



FOD8332R2

onsemi
OPTOISO 4.243KV GATE DRIVER
16SO



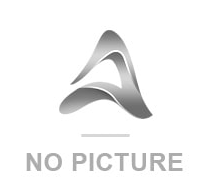
FOD8314R2

onsemi
OPTOISO 5KV 1CH GATE DRIVER
6SOP



FOD8316

onsemi
OPTOISO 4.243KV GATE DRVR
16SO



FOD819W

FSC



FOD817D3SD

Fairchild Semiconductor
TRANSISTOR OUTPUT
OPTOCOPLER, 5



FOD817X5701W

Fairchild (onsemi)



FOD8320R2V

onsemi
OPTOISO 5KV 1CH GATE DRIVER
5SOP



FOD817SD

Fairchild Semiconductor
TRANSISTOR OUTPUT
OPTOCOPLER, 5



FOD8333R2V

onsemi
OPTOISO 4.243KV GATE DRIVER
16SO



FOD8332R2V

onsemi
OPTOISO 4.243KV GATE DRIVER
16SO



FOD8320R2

onsemi
OPTOISO 5KV 1CH GATE DRIVER
5SOP



FOD8332R2

Fairchild Semiconductor
INPUT LED DRIVE, 2.5 A OUTPUT CU



FOD817DS

onsemi
OPTOISOLATOR 5KV TRANSISTOR
4SMD



FOD8321

onsemi
OPTOISO 5KV 1CH GATE DRIVER
5SOP

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

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships





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