

Image may be representation.
See specifications for product details.



ADUM1446ARQZ

Manufacturer Part Number	ADUM1446ARQZ
Manufacturer	Analog Devices, Inc.
Allelco Part Number	32D-ADUM1446ARQZ
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DGTL ISO 2500VRMS 4CH GP 16QSOP
Package	16-SSOP (0.154", 3.90mm Width)
Data sheet	ADUM144x Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ADUM1446ARQZ - Analog Devices Inc..New Original in Stock. Download Linear Technology ADUM1446ARQZ datasheet/specifications on AllelcoElec.com.
Request a quote for ADUM1446ARQZ, please send us email: info@allelco.com

Specifications

ADUM1446ARQZ Tech Specifications
ADUM1446ARQZ - Analog Devices Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Analog Devices, Inc.	Package	Tube
Voltage - Supply	2.25V ~ 3.6V	Operating Temperature	-40°C ~ 125°C
Voltage - Isolation	2500Vrms	Number of Channels	4
Type	General Purpose	Mounting Type	Surface Mount
Technology	Magnetic Coupling	Isolated Power	No
Supplier Device Package	16-QSOP	Inputs - Side 1/Side 2	3/1
Series	iCoupler®	Data Rate	2Mbps
Rise / Fall Time (Typ)	2ns, 2ns	Common Mode Transient Immunity (Min)	25kV/µs
Pulse Width Distortion (Max)	8ns	Channel Type	Unidirectional
Propagation Delay tpLH / tpHL (Max)	180ns, 180ns	Base Product Number	ADUM1446
Package / Case	16-SSOP (0.154", 3.90mm Width)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. ADUM1446ARQZ

Product Attribute				
Part Number	ADUM1446ARQZ	ADUM142E1WBRQZ	ADUM160N0BRZ-RL7	ADUM163N1BRZ-RL7
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Number of Channels	4	4	6	6
Isolated Power	No	No	No	No
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Common Mode Transient Immunity (Min)	25kV/µs	75kV/µs	75kV/µs	75kV/µs
Base Product Number	ADUM1446	ADUM142	ADUM160	ADUM163
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Pulse Width Distortion (Max)	8ns	3ns	4.5ns	4.5ns
Series	iCoupler®	Automotive	-	-
Type	General Purpose	General Purpose	General Purpose	General Purpose
Package	Tube	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Propagation Delay tpLH / tpHL (Max)	180ns, 180ns	13ns, 13ns	13ns, 13ns	13ns, 13ns
Technology	Magnetic Coupling	Magnetic Coupling	Magnetic Coupling	Magnetic Coupling
Supplier Device Package	16-QSOP	16-QSOP	16-SOIC	16-SOIC
Rise / Fall Time (Typ)	2ns, 2ns	2.5ns, 2.5ns	2.5ns, 2.5ns	2.5ns, 2.5ns
Voltage - Isolation	2500Vrms	3000Vrms	3000Vrms	3000Vrms
Data Rate	2Mbps	150Mbps	150Mbps	150Mbps
Channel Type	Unidirectional	Unidirectional	Unidirectional	Unidirectional
Inputs - Side 1/Side 2	3/1	2/2	6/0	3/3
Package / Case	16-SSOP (0.154", 3.90mm Width)	16-SSOP (0.154", 3.90mm Width)	16-SOIC (0.154", 3.90mm Width)	16-SOIC (0.154", 3.90mm Width)
Voltage - Supply	2.25V ~ 3.6V	1.7V ~ 5.5V	1.7V ~ 5.5V	1.7V ~ 5.5V

ADUM1446ARQZ Datasheet PDF

Download ADUM1446ARQZ pdf datasheets and Analog Devices Inc. documentation for ADUM1446ARQZ - Analog Devices Inc..

Datasheets

[ADUM144x Datasheet.pdf](#)



















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[Digital Isolators Can Be Used in Intrinsic Safety](#)

Customers Also Interested in

Recommended Products

					
ADUM142E1WBRQZ Analog Devices Inc. DGTL ISO 3000VRMS 4CH GP 16QSOP	ADUM160N0BRZ-RL7 Analog Devices Inc. DGTL ISO 3000VRMS 6CH GP 16SOIC	ADUM163N1BRZ-RL7 Analog Devices Inc. DGTL ISO 3000VRMS 6CH GP 16SOIC	ADUM1441ARSZ Analog Devices Inc. DGTL ISO 3750VRMS 4CH GP 20SSOP	ADUM1510BRWZ-RL Analog Devices Inc. DGTL ISO 2500VRMS 5CH GP 16SOIC	ADUM160N0BRZ Analog Devices Inc. DGTL ISO 3000VRMS 6CH GP 16SOIC
					
ADUM162N0BRZ-RL7 Analog Devices Inc. DGTL ISO 3000VRMS 6CH GP 16SOIC	ADUM161N0BRZ-RL7 Analog Devices Inc. DGTL ISO 3000VRMS 6CH GP 16SOIC	ADUM1441ARQZ Analog Devices Inc. DGTL ISO 2500VRMS 4CH GP 16QSOP	ADUM142E1WBRWZ Analog Devices Inc. DGT ISOL 3000VRMS 4CH SPI 16SOIC	ADUM1442ARQZ-RL7 Analog Devices Inc. DGTL ISO 2500VRMS 4CH GP 16QSOP	ADUM1510BRWZ Analog Devices Inc. DGTL ISO 2500VRMS 5CH GP 16SOIC
					
ADUM1440ARQZ Analog Devices Inc. DGTL ISO 2500VRMS 4CH GP 16QSOP	ADUM1446ARQZ-RL7 Analog Devices Inc. DGTL ISO 2500VRMS 4CH GP 16QSOP	ADUM142E1BRZ Analog Devices Inc. DGTL ISO 3000VRMS 4CH GP 16SOIC	ADUM1442ARQZ Analog Devices Inc. DGTL ISO 2500VRMS 4CH GP 16QSOP	ADUM151N1BRZ Analog Devices Inc. DGTL ISO 3000VRMS 5CH GP 16SOIC	ADUM162N0BRZ Analog Devices Inc. DGTL ISO 3000VRMS 6CH GP 16SOIC

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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Contact us

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