



Image may be representation.  
See specifications for product details.



## ADUM242E1BRWZ

Manufacturer Part Number	<b>ADUM242E1BRWZ</b>
Manufacturer	<b>Analog Devices, Inc.</b>
Allelco Part Number	32D-ADUM242E1BRWZ
ECAD Model	Request Free CAD Models
Parts Description	DGTL ISO 5000VRMS 4CH GP 16SOIC
Package	16-SOIC (0.295", 7.50mm Width)
Data sheet	ADUM242E1BRWZ.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ADUM242E1BRWZ - Analog Devices Inc..New Original in Stock. Download Linear Technology ADUM242E1BRWZ datasheet/specifications on AllelcoElec.com.  
Request a quote for ADUM242E1BRWZ, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ADUM242E1BRWZ Tech Specifications  
ADUM242E1BRWZ - Analog Devices Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Analog Devices, Inc.	Package	Tube
Voltage - Supply	1.7V ~ 5.5V	Operating Temperature	-40°C ~ 125°C
Voltage - Isolation	5000Vrms	Number of Channels	4
Type	General Purpose	Mounting Type	Surface Mount
Technology	Magnetic Coupling	Isolated Power	No
Supplier Device Package	16-SOIC	Inputs - Side 1/Side 2	2/2
Series	iCoupler®	Data Rate	150Mbps
Rise / Fall Time (Typ)	2.5ns, 2.5ns	Common Mode Transient Immunity (Min)	75kV/µs
Pulse Width Distortion (Max)	3ns	Channel Type	Unidirectional
Propagation Delay tpLH / tpHL (Max)	13ns, 13ns	Base Product Number	ADUM242
Package / Case	16-SOIC (0.295", 7.50mm Width)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. ADUM242E1BRWZ

Product Attribute				
Part Number	ADUM242E1BRWZ	ADUM263N1BRIZ-RL	ADUM3100ARZ	ADUM262N1BRIZ-RL
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Package / Case	16-SOIC (0.295", 7.50mm Width)	16-SOIC (0.295", 7.50mm Width)	8-SOIC (0.154", 3.90mm Width)	16-SOIC (0.295", 7.50mm Width)
Inputs - Side 1/Side 2	2/2	3/3	1/0	4/2
Number of Channels	4	6	1	6
Common Mode Transient Immunity (Min)	75kV/µs	75kV/µs	25kV/µs	75kV/µs
Supplier Device Package	16-SOIC	16-SOIC	8-SOIC	16-SOIC
Technology	Magnetic Coupling	Magnetic Coupling	Magnetic Coupling	Magnetic Coupling
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Isolated Power	No	No	No	No
Type	General Purpose	General Purpose	General Purpose	General Purpose
Channel Type	Unidirectional	Unidirectional	Unidirectional	Unidirectional
Voltage - Supply	1.7V ~ 5.5V	1.7V ~ 5.5V	3V ~ 5.5V	1.7V ~ 5.5V
Package	Tube	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Series	iCoupler®	iCoupler®	iCoupler®	iCoupler®
Rise / Fall Time (Typ)	2.5ns, 2.5ns	2.5ns, 2.5ns	3ns, 3ns	2.5ns, 2.5ns
Propagation Delay tpLH / tpHL (Max)	13ns, 13ns	13ns, 13ns	18ns, 18ns	13ns, 13ns
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 105°C	-40°C ~ 125°C
Data Rate	150Mbps	150Mbps	25Mbps	150Mbps
Base Product Number	ADUM242	ADUM263	ADUM3100	ADUM262
Pulse Width Distortion (Max)	3ns	4.5ns	2ns	4.5ns
Voltage - Isolation	5000Vrms	5000Vrms	2500Vrms	5000Vrms

### Customers Also Interested in

#### Recommended Products



**ADUM263N1BRIZ-RL**

Analog Devices Inc.  
DGTL ISO 5000VRMS 6CH GP 16SOIC



**ADUM3100ARZ**

Analog Devices Inc.  
DGTL ISO 2500VRMS 1CH GP 8SOIC



**ADUM262N1BRIZ-RL**

Analog Devices Inc.  
DGTL ISO 5000VRMS 6CH GP 16SOIC



**ADUM262N0BRIZ-RL**

Analog Devices Inc.  
DGTL ISO 5000VRMS 6CH GP 16SOIC



**ADUM242D1BRWZ**

Analog Devices Inc.  
DGTL ISO 5000VRMS 4CH GP 16SOIC



**ADUM263N1BRIZ**

Analog Devices Inc.  
DGTL ISO 5000VRMS 6CH GP 16SOIC

**ADUM3070ARQZ**

Analog Devices Inc.  
IC REG PSH-PULL ADJ 350MA  
16QSOP

**ADUM263N0BRIZ-RL**

Analog Devices Inc.  
DGTL ISO 5000VRMS 6CH GP 16SOIC

**ADUM240E0BRIZ-RL**

Analog Devices Inc.  
DGTL ISO 5000VRMS 4CH GP 16SOIC

**ADUM262N0BRIZ**

Analog Devices Inc.  
DGTL ISO 5000VRMS 6CH GP 16SOIC

**ADUM3100ARZ-RL7**

Analog Devices Inc.  
DGTL ISO 2500VRMS 1CH GP 8SOIC

**ADUM3070ARQZ-RL7**

Analog Devices Inc.  
IC REG PSH-PULL ADJ 350MA  
16QSOP

**ADUM241E1BRWZ-RL**

Analog Devices Inc.  
DGTL ISO 5000VRMS 4CH GP 16SOIC

**ADUM240E1BRWZ**

Analog Devices Inc.  
DGTL ISO 5000VRMS 4CH GP 16SOIC

**ADUM242E0BRWZ-RL**

Analog Devices Inc.  
DGTL ISO 5000VRMS 4CH GP 16SOIC

**ADUM241E0BRWZ-RL**

Analog Devices Inc.  
DGTL ISO 5000VRMS 4CH GP 16SOIC

**ADUM241D1BRWZ**

Analog Devices Inc.  
DGTL ISO 5000VRMS 4CH GP 16SOIC

**ADUM241E1BRWZ**

Analog Devices Inc.  
DGTL ISO 5000VRMS 4CH 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.

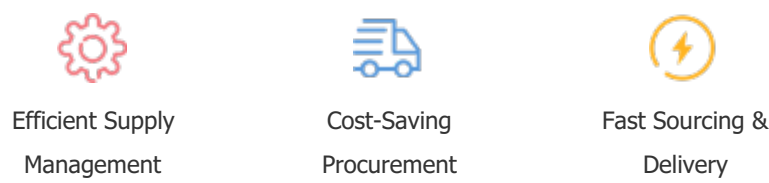
### Payment Support

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 -



Contact us if you have any questions.



### Certifications & Memberships



[View More](#)



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