



Image may be representation.  
See specifications for product details.



## ADUM1250ARZ-RL7

Manufacturer Part Number	<b>ADUM1250ARZ-RL7</b>
Manufacturer	<b>Analog Devices, Inc.</b>
Allelco Part Number	32D-ADUM1250ARZ-RL7
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DGTL ISOL 2500VRMS 2CH I2C 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	<b>ADUM1250,51 Datasheet.pdf</b>
	<b>ADUM1250,51 Datasheet.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

ADUM1250ARZ-RL7 - Analog Devices Inc..New Original in Stock. Download Linear Technology ADUM1250ARZ-RL7 datasheet/specifications on AllelcoElec.com.  
Request a quote for ADUM1250ARZ-RL7, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ADUM1250ARZ-RL7 Tech Specifications  
ADUM1250ARZ-RL7 - Analog Devices Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Analog Devices, Inc.	Package	Tape & Reel (TR)
Voltage - Supply	3V ~ 5.5V	Operating Temperature	-40°C ~ 105°C
Voltage - Isolation	2500Vrms	Number of Channels	2
Type	I <sup>2</sup> C	Mounting Type	Surface Mount
Technology	Magnetic Coupling	Isolated Power	No
Supplier Device Package	8-SOIC	Inputs - Side 1/Side 2	2/2
Series	iCoupler®	Data Rate	1Mbps
Rise / Fall Time (Typ)	-	Common Mode Transient Immunity (Min)	25kV/μs
Pulse Width Distortion (Max)	145ns, 85ns	Channel Type	Bidirectional
Propagation Delay tpLH / tpHL (Max)	-	Base Product Number	ADUM1250
Package / Case	8-SOIC (0.154", 3.90mm Width)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. ADUM1250ARZ-RL7

Product Attribute				
Part Number	ADUM1250ARZ-RL7	ADUM1241ARZ	ADUM1280ARZ	ADUM1250SRZ
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Base Product Number	ADUM1250	ADUM1241	ADUM1280	ADUM1250
Number of Channels	2	2	2	2
Isolated Power	No	No	No	No
Voltage - Isolation	2500Vrms	3000Vrms	3000Vrms	2500Vrms
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)
Channel Type	Bidirectional	Unidirectional	Unidirectional	Bidirectional
Type	I <sup>2</sup> C	General Purpose	General Purpose	I <sup>2</sup> C
Rise / Fall Time (Typ)	-	2ns, 2ns	2.5ns, 2.5ns	-
Common Mode Transient Immunity (Min)	25kV/μs	25kV/μs	25kV/μs	25kV/μs
Inputs - Side 1/Side 2	2/2	1/1	2/0	2/2
Propagation Delay tpLH / tpHL (Max)	-	180ns, 180ns	50ns, 50ns	-
Data Rate	1Mbps	2Mbps	1Mbps	1Mbps
Voltage - Supply	3V ~ 5.5V	2.25V ~ 3.6V	3V ~ 5.5V	3V ~ 5.5V
Technology	Magnetic Coupling	Magnetic Coupling	Magnetic Coupling	Magnetic Coupling
Operating Temperature	-40°C ~ 105°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Supplier Device Package	8-SOIC	8-SOIC	8-SOIC	8-SOIC
Pulse Width Distortion (Max)	145ns, 85ns	8ns	10ns	145ns, 85ns
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	iCoupler®	iCoupler®	iCoupler®	iCoupler®
Package	Tape & Reel (TR)	Tube	Tube	Tube

### ADUM1250ARZ-RL7 Datasheet PDF

Download ADUM1250ARZ-RL7 pdf datasheets and Analog Devices Inc. documentation for ADUM1250ARZ-RL7 - Analog Devices Inc..

#### Datasheets

ADUM1250,51 Datasheet.pdf

#### Other Related Documents

Tape and Reel Packaging.pdf

ADI Programmable Log Controller Solutions.pdf

### PCN Assembly/Origin



















Alternate Assembly Site 22/Sep/2015.pdf

### HTML Datasheet

ADUM1250,51 Datasheet.pdf

### Customers Also Interested in

#### Recommended Products

 <b>ADUM1241ARZ</b> Analog Devices Inc. DGTL ISO 3000VRMS 2CH GP 8SOIC	 <b>ADUM1280ARZ</b> Analog Devices Inc. DGTL ISO 3000VRMS 2CH GP 8SOIC	 <b>ADUM1250SRZ</b> Analog Devices Inc. DGTL ISOL 2500VRMS 2CH I2C 8SOIC	 <b>ADUM1251ARZ-RL7</b> Analog Devices Inc. DGTL ISOL 2500VRMS 2CH I2C 8SOIC	 <b>ADUM1245ARSZ</b> Analog Devices Inc. DGTL ISO 3750VRMS 2CH GP 20SSOP	 <b>ADUM1241ARZ-RL7</b> Analog Devices Inc. DGTL ISO 3000VRMS 2CH GP 8SOIC
 <b>ADUM1280BRZ</b> Analog Devices Inc. DGTL ISO 3000VRMS 2CH GP 8SOIC	 <b>ADUM1240ARZ</b> Analog Devices Inc. DGTL ISO 3000VRMS 2CH GP 8SOIC	 <b>ADUM1240ARZ-RL7</b> Analog Devices Inc. DGTL ISO 3000VRMS 2CH GP 8SOIC	 <b>ADUM1250ARZ</b> Analog Devices Inc. DGTL ISOL 2500VRMS 2CH I2C 8SOIC	 <b>ADUM1251ARZ</b> Analog Devices Inc. DGTL ISOL 2500VRMS 2CH I2C 8SOIC	 <b>ADUM1250WSRZ</b> Analog Devices Inc. DGTL ISOL 2500VRMS 2CH I2C 8SOIC
 <b>ADUM1250WSRZ-RL7</b> Analog Devices Inc. DGTL ISOL 2500VRMS 2CH I2C 8SOIC	 <b>ADUM1280ARZ-RL7</b> Analog Devices Inc. DGTL ISO 3000VRMS 2CH GP 8SOIC	 <b>ADUM1233BRWZ</b> Analog Devices Inc. DGTL ISO 2.5KV GATE DRVR 16SOIC	 <b>ADUM1250SRZ-RL7</b> Analog Devices Inc. DGTL ISOL 2500VRMS 2CH I2C 8SOIC	 <b>ADUM1234BRWZ</b> Analog Devices Inc. DGTL ISO 2.5KV GATE DRVR 16SOIC	 <b>ADUM1280BRZ-RL7</b> Analog Devices Inc. DGTL ISO 3000VRMS 2CH GP 8SOIC

### 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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