



### **ADUM1300ARWZ Information**



For Reference Only

Part Number ADUM1300ARWZ
Manufacturer Analog Devices Inc.

**Category** Isolators

**Digital Isolators** 

**Description** DGTL ISO 2.5KV GEN PURP 16SOIC **Package** 16-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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# **Certified Quality**

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# **ADUM1300ARWZ Specifications**

Manufacturer Part NumberADUM1300ARWZManufacturerAnalog Devices Inc.CategoryIsolatorsPackage16-SOIC (0.295", 7.50mm Width)SeriesiCoupler?TechnologyMagnetic CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels3Inputs - Side 1/Side 23/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)100ns, 100nsPulse Width Distortion (Max)40ns		
Category  Isolators  Digital Isolators  Package  16-SOIC (0.295", 7.50mm Width)  Series  iCoupler?  Technology  Magnetic Coupling  Type  General Purpose  Isolated Power  No  Number of Channels  Inputs - Side 1/Side 2  Channel Type  Unidirectional  Voltage - Isolation  Common Mode Transient Immunity (Min)  Data Rate  Propagation Delay tpLH / tpHL (Max)  Isolators  Isolators  Digital Isolators  Include Solic (0.295", 7.50mm Width)  Icoupler?  Magnetic Coupling  Seneral Purpose  Unidirectional  Unidirectional  2500Vrms  1500Vrms  150	Manufacturer Part Number	ADUM1300ARWZ
Digital Isolators  Package 16-SOIC (0.295", 7.50mm Width)  Series iCoupler?  Technology Magnetic Coupling  Type General Purpose  Isolated Power No  Number of Channels 3  Inputs - Side 1/Side 2 3/0  Channel Type Unidirectional  Voltage - Isolation 2500Vrms  Common Mode Transient Immunity (Min) 25kV/µs  Data Rate 1Mbps  Propagation Delay tpLH / tpHL (Max) 100ns, 100ns	Manufacturer	Analog Devices Inc.
Package16-SOIC (0.295", 7.50mm Width)SeriesiCoupler?TechnologyMagnetic CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels3Inputs - Side 1/Side 23/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)100ns, 100ns	Category	Isolators
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Technology Type General Purpose Isolated Power No Number of Channels Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation Common Mode Transient Immunity (Min) Data Rate Propagation Delay tpLH / tpHL (Max)  Magnetic Coupling General Purpose No No Number of Channel Purpose 1 Volume	Package	16-SOIC (0.295", 7.50mm Width)
Type General Purpose Isolated Power No Number of Channels 3 Inputs - Side 1/Side 2 3/0 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) 100ns, 100ns	Series	iCoupler?
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Number of Channels3Inputs - Side 1/Side 23/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)100ns, 100ns	Туре	General Purpose
Inputs - Side 1/Side 2  Channel Type  Unidirectional  Voltage - Isolation  Common Mode Transient Immunity (Min)  Data Rate  Propagation Delay tpLH / tpHL (Max)  3/0  Unidirectional  2500Vrms  25kV/μs  1Mbps	Isolated Power	No
Channel Type Unidirectional  Voltage - Isolation 2500Vrms  Common Mode Transient Immunity (Min) 25kV/µs  Data Rate 1Mbps  Propagation Delay tpLH / tpHL (Max) 100ns, 100ns	Number of Channels	3
Voltage - Isolation 2500Vrms  Common Mode Transient Immunity (Min) 25kV/μs  Data Rate 1Mbps  Propagation Delay tpLH / tpHL (Max) 100ns, 100ns	Inputs - Side 1/Side 2	3/0
Common Mode Transient Immunity (Min)  Data Rate  1Mbps  Propagation Delay tpLH / tpHL (Max)  100ns, 100ns	Channel Type	Unidirectional
Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) 100ns, 100ns	Voltage - Isolation	2500Vrms
Propagation Delay tpLH / tpHL (Max) 100ns, 100ns	Common Mode Transient Immunity (Min)	$25kV/\mu s$
	Data Rate	1Mbps
Pulse Width Distortion (Max)  40ns	Propagation Delay tpLH / tpHL (Max)	100ns, 100ns
	Pulse Width Distortion (Max)	40ns
Rise / Fall Time (Typ) 2.5ns, 2.5ns	Rise / Fall Time (Typ)	2.5ns, 2.5ns
Voltage - Supply $2.7 \text{ V} \sim 5.5 \text{ V}$	Voltage - Supply	2.7 V ~ 5.5 V
Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$	Operating Temperature	-40°C ~ 105°C
Package / Case 16-SOIC (0.295", 7.50mm Width)	Package / Case	16-SOIC (0.295", 7.50mm Width)
Supplier Device Package 16-SOIC	Supplier Device Package	16-SOIC
Report errors		Report errors?

### **ADUM1300ARWZ Guarantees**



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

### **ADUM1300ARWZ Payment Methods**





















# **ADUM1300ARWZ Shipping Methods**













If you have any question about ADUM1300ARWZ, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com