

# ADUM1300ARWZ-RL

### **ADUM1300ARWZ-RL Information**



For Reference Only

Part Number ADUM1300ARWZ-RL 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**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









# **ADUM1300ARWZ-RL Specifications**

Manufacturer Part Number         ADUMI300ARWZ-RL           Manufacturer         Analog Devices Inc.           Category         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           Pulse Width Distortion (Max)         40ns           Rise / Fall Time (Typ)         2.5ns, 2.5ns           Voltage - Supply         2.7 V ~ 5.5 V           Operating Temperature         40°C ~ 105°C           Package / Case         16-SOIC (0.295", 7.50mm Width)           Supplier Device Package         16-SOIC (0.295", 7.50mm Width)		
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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)40nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply2.7 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Package	16-SOIC (0.295", 7.50mm Width)
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Channel Type  Voltage - Isolation  2500Vrms  Common Mode Transient Immunity (Min)  Data Rate  Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  Voltage - Supply  Operating Temperature  Package / Case  16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Number of Channels	3
Voltage - Isolation 2500Vrms  Common Mode Transient Immunity (Min) 25kV/ $\mu$ s  Data Rate 1Mbps  Propagation Delay tpLH / tpHL (Max) 100ns, 100ns  Pulse Width Distortion (Max) 40ns  Rise / Fall Time (Typ) 2.5ns, 2.5ns  Voltage - Supply 2.7 V ~ 5.5 V  Operating Temperature -40°C ~ 105°C  Package / Case 16-SOIC (0.295", 7.50mm Width)  Supplier Device Package 16-SOIC	Inputs - Side 1/Side 2	3/0
Common Mode Transient Immunity (Min)  Data Rate  1Mbps  Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  2.5ns, 2.5ns  Voltage - Supply  2.7 V ~ 5.5 V  Operating Temperature  -40°C ~ 105°C  Package / Case  16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Channel Type	Unidirectional
Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) 100ns, 100ns Pulse Width Distortion (Max) 40ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Voltage - Isolation	2500Vrms
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Pulse Width Distortion (Max)40nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply2.7 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Data Rate	1Mbps
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Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $16\text{-SOIC}$ (0.295", 7.50mm Width) Supplier Device Package $16\text{-SOIC}$	Rise / Fall Time (Typ)	2.5ns, 2.5ns
Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Voltage - Supply	2.7 V ~ 5.5 V
Supplier Device Package 16-SOIC	Operating Temperature	-40°C ~ 105°C
	Package / Case	16-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

### **ADUM1300ARWZ-RL 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-RL Payment Methods**



















### **ADUM1300ARWZ-RL Shipping Methods**













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

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