



ADUM5401ARWZ Information



For Reference Only

Part Number ADUM5401ARWZ
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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ADUM5401ARWZ Specifications

Manufacturer Part Number ADUM5401 ARWZ Manufacturer Analog Devices Inc. Category Isolators Package 16-SOIC (0.295", 7.50mm Width) Series IsoPower?, iCoupler? Technology Magnetic Coupling Type General Purpose Isolated Power Yes Number of Channels 4 Inputs - Side 1/Side 2 3/1 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 3 V ~ 5.5 V		
Category Isolators Digital Isolators Package 16-SOIC (0.295", 7.50mm Width) Series IsoPower?, iCoupler? Technology Magnetic Coupling Type General Purpose Isolated Power Yes 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) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Isolators Digital Isolators Daqueta Isolators Digital Isolators DaneWidth) 16-SOIC (0.295", 7.50mm Width) 4 4 4 4 4 5 5 6 7 16 7 7 8 16 7 8 17 18 19 19 10 10 10 10 10 10 10 10	Manufacturer Part Number	ADUM5401ARWZ
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Technology Type General Purpose Isolated Power Yes 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) Pulse Width Distortion (Max) Rise / Fall Time (Typ) General Purpose General Purpose 4 Unidirectional 2500Vrms Unidirectional 2500Vrms 25kV/µs 100ns, 100ns 100ns, 100ns 40ns 2.5ns, 2.5ns	Package	16-SOIC (0.295", 7.50mm Width)
Type General Purpose Isolated Power Yes Number of Channels 4 Inputs - Side 1/Side 2 3/1 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) Rise / Fall Time (Typ) 2.5ns, 2.5ns	Series	IsoPower?, iCoupler?
Isolated PowerYesNumber of Channels4Inputs - Side 1/Side 23/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)100ns, 100nsPulse Width Distortion (Max)40nsRise / Fall Time (Typ)2.5ns, 2.5ns	Technology	Magnetic Coupling
Number of Channels Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation Common Mode Transient Immunity (Min) Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 4 Unidirectional 2500Vrms 25kV/µs 100ns, 100ns 40ns 2.5ns, 2.5ns	Type	General Purpose
Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation Common Mode Transient Immunity (Min) Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 3/1 Unidirectional 2500Vrms 25kV/µs 100ns, 100ns 100ns, 100ns 25kV/µs 100ns, 100ns	Isolated Power	Yes
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	Number of Channels	4
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	Inputs - Side 1/Side 2	3/1
Common Mode Transient Immunity (Min) Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 25kV/µs 100ns, 100ns 40ns 2.5ns, 2.5ns	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 - Isolation	2500Vrms
Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 100ns, 100ns 40ns 2.5ns, 2.5ns	Common Mode Transient Immunity (Min)	25kV/μs
Pulse Width Distortion (Max) Rise / Fall Time (Typ) 40ns 2.5ns, 2.5ns	Data Rate	1Mbps
Rise / Fall Time (Typ) 2.5ns, 2.5ns	Propagation Delay tpLH / tpHL (Max)	100ns, 100ns
· -	Pulse Width Distortion (Max)	40ns
Voltage - Supply $3 \text{ V} \sim 5.5 \text{ V}$	Rise / Fall Time (Typ)	2.5ns, 2.5ns
	Voltage - Supply	3 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?

ADUM5401ARWZ 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.

ADUM5401ARWZ Payment Methods



















ADUM5401ARWZ Shipping Methods













If you have any question about ADUM5401ARWZ, please do not hesitate to contact us!

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