



ADUM4472CRIZ Information



For Reference Only

Part Number ADUM4472CRIZ
Manufacturer Analog Devices Inc.

Category Isolators

Digital Isolators

Description DGTL ISO 5KV 4CH GEN PURP 20SOIC

Package 20-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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ADUM4472CRIZ Specifications

Manufacturer Part Number ADUM4472CRIZ Manufacturer Analog Devices Inc. Category Isolators Package 20-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 2/2 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) 6ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 3 V ~ 3.6 V, 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC-RI		
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SeriesIsoPower?, iCoupler?TechnologyMagnetic CouplingTypeGeneral PurposeIsolated PowerYesNumber of Channels4Inputs - Side 1/Side 22/2Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)25kV/µsData Rate25MbpsPropagation Delay tpLH / tpHL (Max)60ns, 60nsPulse Width Distortion (Max)6nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply3 V ~ 3.6 V, 4.5 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC-RI		Digital Isolators
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Type General Purpose Isolated Power Yes Number of Channels 4 Inputs - Side 1/Side 2 2/2 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) 6ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 3 V ~ 3.6 V, 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package	Series	IsoPower?, iCoupler?
Isolated Power 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) Voltage - Supply Operating Temperature Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package	Technology	Magnetic Coupling
Number of Channels 4 Inputs - Side 1/Side 2 2/2 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/μs Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) 6ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 3 V ~ 3.6 V, 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC-RI	Туре	General Purpose
Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply Operating Temperature -40°C ~ 105°C Package / Case Supplier Device Package 2/2 Unidirectional 5000Vrms 6000Vrms 6000Vrms 25kV/µs 60ns, 60ns 60ns, 60ns 2.5ns, 2.5ns 2.5ns, 2.5ns Voltage - Supply 3 V ~ 3.6 V, 4.5 V ~ 5.5 V 20-SOIC (0.295", 7.50mm Width) Supplier Device Package	Isolated Power	Yes
Channel Type Voltage - Isolation 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 Supplier Device Package Unidirectional 5000Vrms 5000Vrms 25kV/µs 25mbps 60ns, 60ns 6ns 2.5ns, 2.5ns 2.5ns, 2.5ns 2.5ns, 2.5ns 20-SOIC (0.295", 7.50mm Width) Supplier Device Package	Number of Channels	4
Voltage - Isolation Common Mode Transient Immunity (Min) Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply Operating Temperature Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package	Inputs - Side 1/Side 2	2/2
Common Mode Transient Immunity (Min) Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 3 V ~ 3.6 V, 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package	Channel Type	Unidirectional
Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) 6ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 3 V ~ 3.6 V, 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC-RI	Voltage - Isolation	5000Vrms
Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) 6ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 3 V ~ 3.6 V, 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package	Common Mode Transient Immunity (Min)	$25kV/\mu s$
Pulse Width Distortion (Max)6nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply3 V ~ 3.6 V, 4.5 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC-RI	Data Rate	25Mbps
Rise / Fall Time (Typ) $2.5 \text{ns}, 2.5 \text{ns}$ Voltage - Supply $3 \text{ V} \sim 3.6 \text{ V}, 4.5 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case 20-SOIC (0.295° , 7.50mm Width)Supplier Device Package 20-SOIC-RI	Propagation Delay tpLH / tpHL (Max)	60ns, 60ns
Voltage - Supply $3\ V \sim 3.6\ V, 4.5\ V \sim 5.5\ V$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $20\text{-SOIC } (0.295^{\circ}\text{, 7.50mm Width})$ Supplier Device Package 20-SOIC-RI	Pulse Width Distortion (Max)	6ns
Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $20\text{-SOIC} (0.295^{\circ}, 7.50 \text{mm Width})$ Supplier Device Package 20-SOIC-RI	Rise / Fall Time (Typ)	2.5ns, 2.5ns
Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC-RI	Voltage - Supply	3 V ~ 3.6 V, 4.5 V ~ 5.5 V
Supplier Device Package 20-SOIC-RI	Operating Temperature	-40°C ~ 105°C
	Package / Case	20-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	20-SOIC-RI
		Report errors?

ADUM4472CRIZ 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.

ADUM4472CRIZ Payment Methods



















ADUM4472CRIZ Shipping Methods













If you have any question about ADUM4472CRIZ, please do not hesitate to contact us!

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