

# ADUM6401CRIZ-RL

### **ADUM6401CRIZ-RL Information**



For Reference Only

Part Number ADUM6401CRIZ-RL Manufacturer Analog Devices Inc.

**Category** Isolators

**Digital Isolators** 

**Description** DGTL ISO 5KV 4CH 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



Request a Quote

# **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.









# **ADUM6401CRIZ-RL Specifications**

Manufacturer Part Number         ADUM6401CRIZ-RL           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         5000Vrms           Common Mode Transient Immunity (Min)         25kV/µs           Data Rate         25Mbps           Propagation Delay tpLH / tpHL (Max)         60ns, 60ns           Rise / Fall Time (Typ)         2.5ns, 2.5ns           Voltage - Supply         3 V ~ 5.5 V           Operating Temperature         40°C ~ 105°C           Package / Case         16-SOIC (0.295", 7.50mm Width)           Supplier Device Package         16-SOIC-IC		
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         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 ~ 5.5 V           Operating Temperature         40°C ~ 105°C           Package / Case         16-SOIC (0.295", 7.50mm Width)           Supplier Device Package         16-SOIC-IC	Manufacturer Part Number	ADUM6401CRIZ-RL
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         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 ~ 5.5 V           Operating Temperature         -40°C ~ 105°C           Package / Case         16-SOIC (0.295", 7.50mm Width)           Supplier Device Package         16-SOIC-IC	Manufacturer	Analog Devices Inc.
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         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 ~ 5.5 V           Operating Temperature         -40°C ~ 105°C           Package / Case         16-SOIC (0.295", 7.50mm Width)           Supplier Device Package         16-SOIC-IC	Category	Isolators
SeriesIsoPower?, iCoupler?TechnologyMagnetic CouplingTypeGeneral PurposeIsolated PowerYesNumber of Channels4Inputs - Side 1/Side 23/1Channel 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 ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC-IC		Digital Isolators
TechnologyMagnetic CouplingTypeGeneral PurposeIsolated PowerYesNumber of Channels4Inputs - Side 1/Side 2 $3/1$ Channel TypeUnidirectionalVoltage - Isolation $5000Vrms$ Common Mode Transient Immunity (Min) $25kV/\mu s$ 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 $3 V \sim 5.5 V$ Operating Temperature $-40^{\circ}C \sim 105^{\circ}C$ Package / Case $16-SOIC$ ( $0.295^{\circ}$ , $7.50mm$ Width)Supplier Device Package $16-SOIC-IC$	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 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 ~ 5.5 V  Operating Temperature -40°C ~ 105°C  Package / Case 16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Series	IsoPower?, iCoupler?
Isolated PowerYesNumber of Channels4Inputs - Side 1/Side 23/1Channel 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 ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC-IC	Technology	Magnetic Coupling
Number of Channels4Inputs - Side 1/Side 23/1Channel 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 ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC-IC	Туре	General Purpose
Inputs - Side 1/Side 2  Channel Type  Unidirectional  Voltage - Isolation  Somovrms  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  16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Isolated Power	Yes
Channel Type 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 ~ 5.5 V  Operating Temperature -40°C ~ 105°C  Package / Case 16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Number of Channels	4
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 ~ 5.5 V  Operating Temperature -40°C ~ 105°C  Package / Case 16-SOIC (0.295", 7.50mm Width)  Supplier Device Package 16-SOIC-IC	Inputs - Side 1/Side 2	3/1
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 ~ 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 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 ~ 5.5 V  Operating Temperature -40°C ~ 105°C  Package / Case 16-SOIC (0.295", 7.50mm Width)  Supplier Device Package 16-SOIC-IC	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 ~ 5.5 V  Operating Temperature -40°C ~ 105°C  Package / Case 16-SOIC (0.295", 7.50mm Width)  Supplier Device Package 16-SOIC-IC	Common Mode Transient Immunity (Min)	25kV/μs
Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  2.5ns, 2.5ns  Voltage - Supply  3 V ~ 5.5 V  Operating Temperature  Package / Case  16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Data Rate	25Mbps
Rise / Fall Time (Typ) $2.5 \text{ns}, 2.5 \text{ns}$ Voltage - Supply $3 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $16\text{-SOIC}$ ( $0.295^{\circ}$ , $7.50 \text{mm}$ Width)Supplier Device Package $16\text{-SOIC-IC}$	Propagation Delay tpLH / tpHL (Max)	60ns, 60ns
Voltage - Supply $3 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $16\text{-SOIC}$ (0.295", 7.50mm Width) Supplier Device Package $16\text{-SOIC-IC}$	Pulse Width Distortion (Max)	6ns
Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $16\text{-SOIC}$ (0.295", 7.50mm Width) Supplier Device Package $16\text{-SOIC-IC}$	Rise / Fall Time (Typ)	2.5ns, 2.5ns
Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC-IC	Voltage - Supply	3 V ~ 5.5 V
Supplier Device Package 16-SOIC-IC	Operating Temperature	-40°C ~ 105°C
	Package / Case	16-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	16-SOIC-IC
		Report errors?

#### **ADUM6401CRIZ-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.

### **ADUM6401CRIZ-RL Payment Methods**



















### **ADUM6401CRIZ-RL Shipping Methods**













If you have any question about ADUM6401CRIZ-RL, please do not hesitate to contact us!

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