



ADUM4402ARIZ Information



For Reference Only

Part Number ADUM4402ARIZ
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.









ADUM4402ARIZ Specifications

| Manufacturer Part Number ADUM4402ARIZ 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 4 Inputs - Side 1/Side 2 2/2 Channel Type Unidirectional Voltage - Isolation 5000Vrms 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 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 iCoupler? Technology Magnetic Coupling Type General Purpose Isolated Power No 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 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 Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC-IC | Manufacturer Part Number | ADUM4402ARIZ |
| Package 16-SOIC (0.295", 7.50mm Width) Series iCoupler? Technology Magnetic Coupling Type General Purpose Isolated Power No 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 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 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. |
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| Series iCoupler? Technology Magnetic Coupling Type General Purpose Isolated Power No 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 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 Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC-IC | | Digital Isolators |
| TechnologyMagnetic CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels4Inputs - Side 1/Side 2 $2/2$ Channel TypeUnidirectionalVoltage - Isolation $5000Vrms$ 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 $3 V \sim 5.5 V$ Operating Temperature $-40^{\circ}C \sim 105^{\circ}C$ Package / Case $16-SOIC (0.295", 7.50mm Width)$ Supplier Device Package $16-SOIC-IC$ | Package | 16-SOIC (0.295", 7.50mm Width) |
| Type General Purpose Isolated Power No 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 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 Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC-IC | Series | iCoupler? |
| Isolated PowerNoNumber of Channels4Inputs - Side 1/Side 22/2Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)25kV/µsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)100ns, 100nsPulse Width Distortion (Max)40nsRise / 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 22/2Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)100ns, 100nsPulse Width Distortion (Max)40nsRise / 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 22/2Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)100ns, 100nsPulse Width Distortion (Max)40nsRise / 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 | Isolated Power | No |
| Channel Type Voltage - Isolation 5000Vrms 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 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 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 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 | 2/2 |
| 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 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 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 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) 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 | 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 -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package | Data Rate | 1Mbps |
| 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-SOIC (0.295° , 7.50mm Width)Supplier Device Package 16-SOIC-IC | Propagation Delay tpLH / tpHL (Max) | 100ns, 100ns |
| Voltage - Supply $3\ V \sim 5.5\ V$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $16\text{-SOIC } (0.295^{\circ}\text{, } 7.50\text{mm Width})$ Supplier Device Package 16-SOIC-IC | Pulse Width Distortion (Max) | 40ns |
| Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-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? |

ADUM4402ARIZ 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.

ADUM4402ARIZ Payment Methods





















ADUM4402ARIZ Shipping Methods













If you have any question about ADUM4402ARIZ, please do not hesitate to contact us!

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