

# ADUM3442CRWZ-RL

### **ADUM3442CRWZ-RL Information**



For Reference Only

Part Number ADUM3442CRWZ-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.









# **ADUM3442CRWZ-RL Specifications**

Manufacturer Part NumberADUM3442CRWZ-RLManufacturerAnalog Devices Inc.CategoryIsolatorsPackage16-SOIC (0.295", 7.50mm Width)SeriesiCoupler?TechnologyMagnetic CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels4Inputs - Side 1/Side 22/2Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate150MbpsPropagation Delay tpLH / tpHL (Max)32ns, 32nsPulse Width Distortion (Max)2ns
Category  Isolators  Digital Isolators  Package  16-SOIC (0.295", 7.50mm Width)  Series  Technology  Magnetic Coupling  Type  General Purpose  Isolated Power  No  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)  Isolators  Isolators  Digital Isolators  Digital Isolators  Incurson  Unidirectional  Voluptional  2/2  2/2  2/2  2/3  2/4  2/5  2/5  2/6  2/7  2/8  2/8  2/8  2/9  2/9  2/9  2/9  2/9
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 2500Vrms  Common Mode Transient Immunity (Min) 25kV/µs  Data Rate 150Mbps  Propagation Delay tpLH / tpHL (Max) 32ns, 32ns
Package16-SOIC (0.295", 7.50mm Width)SeriesiCoupler?TechnologyMagnetic CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels4Inputs - Side 1/Side 22/2Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate150MbpsPropagation Delay tpLH / tpHL (Max)32ns, 32ns
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 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 32ns, 32ns
Technology Type General Purpose Isolated Power No 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)  Magnetic Coupling General Purpose  No  No  No  Unidirectional  2/2  Unidirectional  2500Vrms  2500Vrms  25kV/µs  150Mbps
Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 2/2 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 32ns, 32ns
Isolated PowerNoNumber of Channels4Inputs - Side 1/Side 22/2Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate150MbpsPropagation Delay tpLH / tpHL (Max)32ns, 32ns
Number of Channels  Inputs - Side 1/Side 2  Channel Type  Unidirectional  Voltage - Isolation  Common Mode Transient Immunity (Min)  Data Rate  150Mbps  Propagation Delay tpLH / tpHL (Max)  4  Unidirectional  25kV/µs  25kV/µs  32ns, 32ns
Inputs - Side 1/Side 2  Channel Type  Unidirectional  Voltage - Isolation  Common Mode Transient Immunity (Min)  Data Rate  150Mbps  Propagation Delay tpLH / tpHL (Max)  2/2  Unidirectional  2500Vrms  25kV/µs  150Mbps  32ns, 32ns
Channel Type Unidirectional  Voltage - Isolation 2500Vrms  Common Mode Transient Immunity (Min) 25kV/µs  Data Rate 150Mbps  Propagation Delay tpLH / tpHL (Max) 32ns, 32ns
Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 32ns, 32ns
Common Mode Transient Immunity (Min)  Data Rate  150Mbps  Propagation Delay tpLH / tpHL (Max)  32ns, 32ns
Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 32ns, 32ns
Propagation Delay tpLH / tpHL (Max)  32ns, 32ns
Pulse Width Distortion (Max) 2ns
Rise / Fall Time (Typ) 2.5ns, 2.5ns
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
Report errors

### **ADUM3442CRWZ-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.

## **ADUM3442CRWZ-RL Payment Methods**





















### **ADUM3442CRWZ-RL Shipping Methods**













If you have any question about ADUM3442CRWZ-RL, please do not hesitate to contact us!

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