



## **ADUM7441CRQZ Information**



For Reference Only

Part Number ADUM7441CRQZ Manufacturer Analog Devices Inc.

**Category** Isolators

**Digital Isolators** 

**Description** DGTL ISO 1KV 4CH GEN PURP 16QSOP

**Package** 16-SSOP (0.154", 3.90mm 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.









# **ADUM7441CRQZ Specifications**

Manufacturer Part Number         ADUM7441CRQZ           Manufacturer         Analog Devices Inc.           Category         Isolators           Package         16-SSOP (0.154", 3.90mm Width)           Series         iCoupler?           Technology         Magnetic Coupling           Type         General Purpose           Isolated Power         No           Number of Channels         4           Inputs - Side 1/Side 2         3/1           Channel Type         Unidirectional           Voltage - Isolation         1000Vrms           Common Mode Transient Immunity (Min)         15kV/µs           Data Rate         25Mbps           Propagation Delay tpLH / tpHL (Max)         50ns, 50ns           Pulse Width Distortion (Max)         5ns           Rise / Fall Time (Typ)         2ns, 2ns           Voltage - Supply         3 V ~ 5.5 V           Operating Temperature         40°C ~ 105°C           Package / Case         16-SSOP (0.154", 3.90mm Width)           Supplier Device Package         16-QSOP		
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Channel Type Voltage - Isolation 1000Vrms  Common Mode Transient Immunity (Min) 15kV/µs  Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 50ns, 50ns  Pulse Width Distortion (Max) 5ns  Rise / Fall Time (Typ) 2ns, 2ns  Voltage - Supply 3 V ~ 5.5 V  Operating Temperature -40°C ~ 105°C  Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package	Number of Channels	4
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Common Mode Transient Immunity (Min)  Data Rate  25Mbps  Propagation Delay tpLH / tpHL (Max)  50ns, 50ns  Pulse Width Distortion (Max)  Sins  Rise / Fall Time (Typ)  2ns, 2ns  Voltage - Supply  3 V ~ 5.5 V  Operating Temperature  -40°C ~ 105°C  Package / Case  16-SSOP (0.154", 3.90mm Width)  Supplier Device Package	Channel Type	Unidirectional
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Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  2ns, 2ns  Voltage - Supply  3 V ~ 5.5 V  Operating Temperature  -40°C ~ 105°C  Package / Case  16-SSOP (0.154", 3.90mm Width)  Supplier Device Package	Common Mode Transient Immunity (Min)	15kV/μs
Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  2ns, 2ns  Voltage - Supply  3 V ~ 5.5 V  Operating Temperature  -40°C ~ 105°C  Package / Case  16-SSOP (0.154", 3.90mm Width)  Supplier Device Package  16-QSOP	Data Rate	25Mbps
Rise / Fall Time (Typ) $2ns, 2ns$ Voltage - Supply $3 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $16\text{-SSOP}$ (0.154", 3.90mm Width)Supplier Device Package $16\text{-QSOP}$	Propagation Delay tpLH / tpHL (Max)	50ns, 50ns
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Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $16\text{-SSOP} (0.154^{\circ}, 3.90 \text{mm Width})$ Supplier Device Package $16\text{-QSOP}$	Rise / Fall Time (Typ)	2ns, 2ns
Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package 16-QSOP	Voltage - Supply	3 V ~ 5.5 V
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	Package / Case	16-SSOP (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	16-QSOP
		Report errors?

## **ADUM7441CRQZ 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.

## **ADUM7441CRQZ Payment Methods**





















## **ADUM7441CRQZ Shipping Methods**













If you have any question about ADUM7441CRQZ, please do not hesitate to contact us!

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