

ADUM5212CRSZ-RL7

ADUM5212CRSZ-RL7 Information



For Reference Only

Part Number ADUM5212CRSZ-RL7
Manufacturer Analog Devices Inc.

Category Isolators

Digital Isolators

Description DGTL ISO 2.5KV GEN PURP 20SSOP **Package** 20-SSOP (0.209", 5.30mm 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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ADUM5212CRSZ-RL7 Specifications

| Manufacturer Part Number ADUM5212CRSZ-RL7 Manufacturer Analog Devices Inc. Category Isolators Package 20-SSOP (0.209", 5.30mm Width) Series IsoPower?, iCoupler? Technology Magnetic Coupling Type General Purpose Isolated Power Yes Number of Channels 2 Inputs - Side 1/Side 2 0/2 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) 24ns, 24ns Pulse Width Distortion (Max) 2ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature 40°C ~ 105°C Package / Case 20-SSOP (0.209", 5.30mm Width) Supplier Device Package 20-SSOP | | |
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| TechnologyMagnetic CouplingTypeGeneral PurposeIsolated PowerYesNumber of Channels2Inputs - Side 1/Side 20/2Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate100MbpsPropagation Delay tpLH / tpHL (Max)24ns, 24nsPulse Width Distortion (Max)2nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply2.7 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP | Package | 20-SSOP (0.209", 5.30mm Width) |
| Type General Purpose Isolated Power Yes Number of Channels 2 Inputs - Side 1/Side 2 0/2 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) 24ns, 24ns Pulse Width Distortion (Max) 2ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 20-SSOP (0.209", 5.30mm 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 100Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 20-SSOP (0.209", 5.30mm Width) Supplier Device Package | Technology | Magnetic Coupling |
| Number of Channels2Inputs - Side 1/Side 20/2Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate100MbpsPropagation Delay tpLH / tpHL (Max)24ns, 24nsPulse Width Distortion (Max)2nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply2.7 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP | Туре | General Purpose |
| Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) Data Rate 100Mbps 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 20-SSOP | Isolated Power | Yes |
| Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 20-SSOP (0.209", 5.30mm Width) Supplier Device Package | Number of Channels | 2 |
| Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature Package / Case 20-SSOP (0.209", 5.30mm Width) Supplier Device Package | Inputs - Side 1/Side 2 | 0/2 |
| Common Mode Transient Immunity (Min) Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 20-SSOP (0.209", 5.30mm Width) Supplier Device Package | Channel Type | Unidirectional |
| Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) 24ns, 24ns Pulse Width Distortion (Max) 2ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 20-SSOP (0.209", 5.30mm Width) Supplier Device Package 20-SSOP | Voltage - Isolation | 2500Vrms |
| Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature Package / Case 20-SSOP (0.209", 5.30mm Width) Supplier Device Package | Common Mode Transient Immunity (Min) | $25kV/\mu s$ |
| Pulse Width Distortion (Max) $2ns$ Rise / Fall Time (Typ) $2.5ns, 2.5ns$ Voltage - Supply $2.7 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case 20-SSOP (0.209° , 5.30mm Width)Supplier Device Package 20-SSOP | Data Rate | 100Mbps |
| Rise / Fall Time (Typ) $2.5 \text{ns}, 2.5 \text{ns}$ Voltage - Supply $2.7 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case 20-SSOP (0.209° , 5.30mm Width)Supplier Device Package 20-SSOP | Propagation Delay tpLH / tpHL (Max) | 24ns, 24ns |
| Voltage - Supply $ 2.7 \text{ V} \sim 5.5 \text{ V} $ Operating Temperature $ -40^{\circ}\text{C} \sim 105^{\circ}\text{C} $ Package / Case $ 20\text{-SSOP} (0.209'', 5.30 \text{mm Width}) $ Supplier Device Package $ 20\text{-SSOP} $ | Pulse Width Distortion (Max) | 2ns |
| Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $20\text{-SSOP} (0.209^{\circ}, 5.30 \text{mm Width})$ Supplier Device Package 20-SSOP | Rise / Fall Time (Typ) | 2.5ns, 2.5ns |
| Package / Case 20-SSOP (0.209", 5.30mm Width) Supplier Device Package 20-SSOP | Voltage - Supply | 2.7 V ~ 5.5 V |
| Supplier Device Package 20-SSOP | Operating Temperature | -40°C ~ 105°C |
| | Package / Case | 20-SSOP (0.209", 5.30mm Width) |
| Report errors? | Supplier Device Package | 20-SSOP |
| | | Report errors? |

ADUM5212CRSZ-RL7 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.

ADUM5212CRSZ-RL7 Payment Methods



















ADUM5212CRSZ-RL7 Shipping Methods













If you have any question about ADUM5212CRSZ-RL7, please do not hesitate to contact us!

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