



ADUM142D0BRQZ Information



For Reference Only

Part Number ADUM142D0BRQZ Manufacturer Analog Devices Inc.

Category Isolators

Digital Isolators

Description IC, ROBUST QUAD ISO, 2:2 CH **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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ADUM142D0BRQZ Specifications

Manufacturer Part Number ADUM142D0BRQZ 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 2/2 Channel Type Unidirectional Voltage - Isolation 3000Vrms Common Mode Transient Immunity (Min) 75kV/µs Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 13ns, 13ns Pulse Width Distortion (Max) 3ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 1.7 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package 16-QSOP		
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TechnologyMagnetic CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels4Inputs - Side 1/Side 22/2Channel TypeUnidirectionalVoltage - Isolation3000VrmsCommon Mode Transient Immunity (Min)75kV/μsData Rate150MbpsPropagation Delay tpLH / tpHL (Max)13ns, 13nsPulse Width Distortion (Max)3nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply1.7 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-QSOP	Package	16-SSOP (0.154", 3.90mm Width)
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Channel Type Voltage - Isolation Common Mode Transient Immunity (Min) Data Rate Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package	Number of Channels	4
Voltage - Isolation 3000Vrms Common Mode Transient Immunity (Min) 75kV/ μ s Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 13ns, 13ns Pulse Width Distortion (Max) 3ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 1.7 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package 16-QSOP	Inputs - Side 1/Side 2	2/2
Common Mode Transient Immunity (Min) Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 1.7 V ~ 5.5 V Operating Temperature -40°C ~ 125°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) 2.5ns, 2.5ns Voltage - Supply 1.7 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package	Common Mode Transient Immunity (Min)	75kV/μs
Pulse Width Distortion (Max)3nsRise / Fall Time (Typ) $2.5ns, 2.5ns$ Voltage - Supply $1.7 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 16-SSOP (0.154° , 3.90mm Width)Supplier Device Package 16-QSOP	Data Rate	150Mbps
Rise / Fall Time (Typ) $2.5 \text{ns}, 2.5 \text{ns}$ Voltage - Supply $1.7 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 16-SSOP (0.154° , 3.90mm Width)Supplier Device Package 16-QSOP	Propagation Delay tpLH / tpHL (Max)	13ns, 13ns
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Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $16\text{-SSOP} (0.154^{\circ}, 3.90 \text{mm Width})$ Supplier Device Package 16-QSOP	Rise / Fall Time (Typ)	2.5ns, 2.5ns
Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package 16-QSOP	Voltage - Supply	1.7 V ~ 5.5 V
Supplier Device Package 16-QSOP	Operating Temperature	-40°C ~ 125°C
	Package / Case	16-SSOP (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	16-QSOP
		Report errors?

ADUM142D0BRQZ 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.

ADUM142D0BRQZ Payment Methods





















ADUM142D0BRQZ Shipping Methods













If you have any question about ADUM142D0BRQZ, please do not hesitate to contact us!

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