



ADUM250N1BRIZ Information



For Reference Only

Part Number ADUM250N1BRIZ
Manufacturer Analog Devices Inc.

Category Isolators

Digital Isolators

Description DGTL ISO 5KV 5CH GEN PRP 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

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ADUM250N1BRIZ Specifications

Manufacturer Part Number ADUM250N1BRIZ 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 5 Inputs - Side 1/Side 2 5/0 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 75kV/µs Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 13ns, 13ns Pulse Width Distortion (Max) 4.5ns 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-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC-IC		
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TechnologyMagnetic CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels5Inputs - Side 1/Side 25/0Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)75kV/μsData Rate150MbpsPropagation Delay tpLH / tpHL (Max)13ns, 13nsPulse Width Distortion (Max)4.5nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply1.7 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC-IC	Package	16-SOIC (0.295", 7.50mm Width)
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Isolated Power 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) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Technology	Magnetic Coupling
Number of Channels5Inputs - Side 1/Side 2 $5/0$ Channel TypeUnidirectionalVoltage - Isolation $5000Vrms$ Common Mode Transient Immunity (Min) $75kV/\mu s$ Data Rate $150Mbps$ Propagation Delay tpLH / tpHL (Max) $13ns, 13ns$ Pulse Width Distortion (Max) $4.5ns$ Rise / Fall Time (Typ) $2.5ns, 2.5ns$ Voltage - Supply $1.7 V \sim 5.5 V$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Package / Case $16-SOIC (0.295", 7.50mm Width)$ Supplier Device Package $16-SOIC-IC$	Туре	General Purpose
Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation 5000Vrms 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 Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Isolated Power	No
Channel Type Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 75kV/µs Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 13ns, 13ns Pulse Width Distortion (Max) 4.5ns 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-SOIC (0.295", 7.50mm Width) Supplier Device Package	Number of Channels	5
Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 75kV/ μ s Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 13ns, 13ns Pulse Width Distortion (Max) 4.5ns 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-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC-IC	Inputs - Side 1/Side 2	5/0
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-SOIC (0.295", 7.50mm Width) Supplier Device Package	Channel Type	Unidirectional
Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 13ns, 13ns Pulse Width Distortion (Max) 4.5ns 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-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 1.7 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Common Mode Transient Immunity (Min)	75kV/μs
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-SOIC (0.295", 7.50mm Width) Supplier Device Package	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-SOIC (0.295° , 7.50mm Width)Supplier Device Package 16-SOIC-IC	Propagation Delay tpLH / tpHL (Max)	13ns, 13ns
Voltage - Supply $1.7 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $16\text{-SOIC } (0.295'', 7.50 \text{mm Width})$ Supplier Device Package 16-SOIC-IC	Pulse Width Distortion (Max)	4.5ns
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $16\text{-SOIC} (0.295^{\circ}, 7.50 \text{mm Width})$ 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	1.7 V ~ 5.5 V
Supplier Device Package 16-SOIC-IC	Operating Temperature	-40°C ~ 125°C
	Package / Case	16-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	16-SOIC-IC
		Report errors?

ADUM250N1BRIZ 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.

ADUM250N1BRIZ Payment Methods



















ADUM250N1BRIZ Shipping Methods













If you have any question about ADUM250N1BRIZ, please do not hesitate to contact us!

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