



ADUM160N1BRZ Information



For Reference Only

Part Number ADUM160N1BRZ
Manufacturer Analog Devices Inc.

Category Isolators

Digital Isolators

Description DGTL ISO 3KV 6CH GEN PURP 16SOIC

Package 16-SOIC (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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ADUM160N1BRZ Specifications

Manufacturer Part Number ADUM160N1BRZ Manufacturer Analog Devices Inc. Category Isolators Package 16-SOIC (0.154", 3.90mm Width) Series - Technology Magnetic Coupling Type General Purpose Isolated Power No Number of Channels 6 Inputs - Side 1/Side 2 6/0 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) 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 (0.154", 3.90mm Width) Supplier Device Package 16-SOIC		
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TechnologyMagnetic CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels6Inputs - Side 1/Side 26/0Channel TypeUnidirectionalVoltage - Isolation3000VrmsCommon 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 (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Package	16-SOIC (0.154", 3.90mm 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 No 6 Unidirectional 100Vrms 13000Vrms 150Mbps 150Mbps 13ns, 13ns 4.5ns 13ns, 13ns 4.5ns 13ns, 13ns 4.5ns 16-SOIC (0.154", 3.90mm Width)	Technology	Magnetic Coupling
Number of Channels6Inputs - Side 1/Side 2 $6/0$ Channel TypeUnidirectionalVoltage - Isolation $3000Vrms$ 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 $16-SOIC$ (0.154° , $3.90mm$ Width)Supplier Device Package $16-SOIC$	Type	General Purpose
Inputs - Side 1/Side 26/0Channel TypeUnidirectionalVoltage - Isolation3000VrmsCommon 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 (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Isolated Power	No
Channel Type Voltage - Isolation 3000Vrms 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 (0.154", 3.90mm Width) Supplier Device Package	Number of Channels	6
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) 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 (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Inputs - Side 1/Side 2	6/0
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 (0.154", 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-SOIC (0.154", 3.90mm Width) Supplier Device Package	Common Mode Transient Immunity (Min)	75kV/μs
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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 (0.154° , 3.90mm Width)Supplier Device Package 16-SOIC	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 $16\text{-SOIC} \ (0.154'', 3.90 \text{mm Width})$ Supplier Device Package 16-SOIC	Pulse Width Distortion (Max)	4.5ns
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Rise / Fall Time (Typ)	2.5ns, 2.5ns
Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Voltage - Supply	1.7 V ~ 5.5 V
Supplier Device Package 16-SOIC	Operating Temperature	-40°C ~ 125°C
	Package / Case	16-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

ADUM160N1BRZ 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.

ADUM160N1BRZ Payment Methods



















ADUM160N1BRZ Shipping Methods













If you have any question about ADUM160N1BRZ, please do not hesitate to contact us!

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