

ADUM3160BRWZ-RL

ADUM3160BRWZ-RL Information



For Reference Only

Part Number ADUM3160BRWZ-RL Manufacturer Analog Devices Inc.

Category Isolators

Digital Isolators

DescriptionDGTL ISO 2.5KV 2CH USB 16SOICPackage16-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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ADUM3160BRWZ-RL Specifications

Manufacturer Part Number ADUM3160BRWZ-RL Manufacturer Analog Devices Inc. Category Isolators Package 16-SOIC (0.295", 7.50mm Width) Series iCoupler? Technology Magnetic Coupling Type USB Isolated Power No Number of Channels 2 1puts - Side 1/Side 2 2/2 Channel Type Bidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 2550V/ms Data Rate 12Mbps Propagation Delay tpLH / tpHL (Max) 70ns, 70ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 20ns, 20ns (Max) Voltage - Supply 3 V ~ 5.5 V Operating Temperature 40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC (0.295", 7.50mm Width)		
Category Isolators Package 16-SOIC (0.295", 7.50mm Width) Series iCoupler? Technology Magnetic Coupling Type USB Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/2 Channel Type Bidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 12Mbps Propagation Delay tpLH / tpHL (Max) 70ns, 70ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 20ns, 20ns (Max) Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Manufacturer Part Number	ADUM3160BRWZ-RL
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Series iCoupler? Technology Magnetic Coupling Type USB Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/2 Channel Type Bidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 12Mbps Propagation Delay tpLH / tpHL (Max) 70ns, 70ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 20ns, 20ns (Max) Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC		Digital Isolators
TechnologyMagnetic CouplingTypeUSBIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 2 $2/2$ Channel TypeBidirectionalVoltage - Isolation $2500Vrms$ Common Mode Transient Immunity (Min) $25kV/\mu s$ Data Rate $12Mbps$ Propagation Delay tpLH / tpHL (Max) $70ns, 70ns$ Pulse Width Distortion (Max)-Rise / Fall Time (Typ) $20ns, 20ns (Max)$ Voltage - Supply $3 V \sim 5.5 V$ Operating Temperature $-40^{\circ}C \sim 105^{\circ}C$ Package / Case $16-SOIC (0.295", 7.50mm Width)$ Supplier Device Package $16-SOIC$	Package	16-SOIC (0.295", 7.50mm Width)
Type USB Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/2 Channel Type Bidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 12Mbps Propagation Delay tpLH / tpHL (Max) 70ns, 70ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 20ns, 20ns (Max) Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Series	iCoupler?
Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 Channel Type Bidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 12Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 20ns, 20ns (Max) Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Technology	Magnetic Coupling
Number of Channels2Inputs - Side 1/Side 22/2Channel TypeBidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate12MbpsPropagation Delay tpLH / tpHL (Max)70ns, 70nsPulse Width Distortion (Max)-Rise / Fall Time (Typ)20ns, 20ns (Max)Voltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Туре	USB
Inputs - Side 1/Side 2 Channel Type Bidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) Data Rate 12Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 20ns, 20ns (Max) Voltage - Supply Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Isolated Power	No
Channel Type Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) Data Rate 12Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 20ns, 20ns (Max) Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Number of Channels	2
Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 12Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 20ns, 20ns (Max) Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Inputs - Side 1/Side 2	2/2
Common Mode Transient Immunity (Min) Data Rate 12Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 20ns, 20ns (Max) Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Channel Type	Bidirectional
Data Rate 12Mbps Propagation Delay tpLH / tpHL (Max) 70ns, 70ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 20ns, 20ns (Max) Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Voltage - Isolation	2500Vrms
Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 20ns, 20ns (Max) Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Common Mode Transient Immunity (Min)	$25kV/\mu s$
Pulse Width Distortion (Max) Rise / Fall Time (Typ) 20ns, 20ns (Max) 3 V ~ 5.5 V Operating Temperature Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Data Rate	12Mbps
Rise / Fall Time (Typ) $20ns, 20ns$ (Max)Voltage - Supply $3 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case 16-SOIC (0.295", 7.50mm Width)Supplier Device Package 16-SOIC	Propagation Delay tpLH / tpHL (Max)	70ns, 70ns
Voltage - Supply $3 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case 16-SOIC $(0.295^{\circ}, 7.50 \text{mm Width})$ Supplier Device Package 16-SOIC	Pulse Width Distortion (Max)	-
Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Rise / Fall Time (Typ)	20ns, 20ns (Max)
Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Voltage - Supply	3 V ~ 5.5 V
Supplier Device Package 16-SOIC	Operating Temperature	-40°C ~ 105°C
	Package / Case	16-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

ADUM3160BRWZ-RL 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.

ADUM3160BRWZ-RL Payment Methods





















ADUM3160BRWZ-RL Shipping Methods













If you have any question about ADUM3160BRWZ-RL, please do not hesitate to contact us!

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