



ADM3251EARWZ Information



For Reference Only

Part Number ADM3251EARWZ
Manufacturer Analog Devices Inc.

Category Isolators

Digital Isolators

Description DGTL ISO 2.5KV 2CH RS232 20SOIC **Package** 20-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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ADM3251EARWZ Specifications

Manufacturer Part Number ADM3251EARWZ Manufacturer Analog Devices Inc. Category Isolators Package 20-SOIC (0.295", 7.50mm Width) Series IsoPower?, iCoupler? Technology Magnetic Coupling Type RS232 Isolated Power Yes Number of Channels 2 Inputs - Side 1/Side 2 1/1 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 460Kbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 2.3ns, 2.3ns Voltage - Supply 4.5 V ~ 5.5 V Operating Temperature 40°C ~ 85°C Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC (0.295", 7.50mm Width)		
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Isolated Power Number of Channels 2 Inputs - Side 1/Side 2 Inputs	Technology	Magnetic Coupling
Number of Channels2Inputs - Side 1/Side 21/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate460KbpsPropagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)2.3ns, 2.3nsVoltage - Supply4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°CPackage / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Type	RS232
Inputs - Side 1/Side 21/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate460KbpsPropagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)2.3ns, 2.3nsVoltage - Supply4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°CPackage / Case20-SOIC (0.295", 7.50mm Width)Supplier Device Package20-SOIC	Isolated Power	Yes
Channel Type Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 460Kbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.3ns, 2.3ns Voltage - Supply 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 85°C Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package	Number of Channels	2
Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/ μ s Data Rate 460Kbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 2.3ns, 2.3ns Voltage - Supply 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 85°C Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Inputs - Side 1/Side 2	1/1
Common Mode Transient Immunity (Min) Data Rate 460Kbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.3ns, 2.3ns Voltage - Supply 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 85°C Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package	Channel Type	Unidirectional
Data Rate 460Kbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 2.3ns, 2.3ns Voltage - Supply 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 85°C Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Voltage - Isolation	2500Vrms
Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.3ns, 2.3ns Voltage - Supply 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 85°C Package / Case 20-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) 2.3ns, 2.3ns Voltage - Supply 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 85°C Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package	Data Rate	460Kbps
Rise / Fall Time (Typ) 2.3ns, 2.3ns Voltage - Supply 4.5 V \sim 5.5 V Operating Temperature -40°C \sim 85°C Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Propagation Delay tpLH / tpHL (Max)	-
Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $20\text{-SOIC } (0.295'', 7.50 \text{mm Width})$ Supplier Device Package 20-SOIC	Pulse Width Distortion (Max)	-
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 20-SOIC $(0.295^{\circ}, 7.50\text{mm Width})$ Supplier Device Package 20-SOIC	Rise / Fall Time (Typ)	2.3ns, 2.3ns
Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC	Voltage - Supply	4.5 V ~ 5.5 V
Supplier Device Package 20-SOIC	Operating Temperature	-40°C ~ 85°C
	Package / Case	20-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	20-SOIC
		Report errors?

ADM3251EARWZ 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.

ADM3251EARWZ Payment Methods



















ADM3251EARWZ Shipping Methods













If you have any question about ADM3251EARWZ, please do not hesitate to contact us!

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