



ADM2490EBRWZ Information



For Reference Only

Part Number ADM2490EBRWZ
Manufacturer Analog Devices Inc.

Category Isolators

Digital Isolators

Description DGTL ISO 5KV RS422/RS485 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



Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









ADM2490EBRWZ Specifications

Manufacturer Part Number ADM2490EBRWZ Manufacturer Analog Devices Inc. Category Isolators Package 16-SOIC (0.295", 7.50mm Width) Series iCoupler? Technology Magnetic Coupling Type RS422, RS485 Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 1/1 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 16Mbps Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) - Voltage - Supply 3 V, 5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC		
Category Isolators Package 16-SOIC (0.295", 7.50mm Width) Series iCoupler? Technology Magnetic Coupling Type RS422, RS485 Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 1/1 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 16Mbps Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) - Voltage - Supply 3 V, 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	ADM2490EBRWZ
Package 16-SOIC (0.295", 7.50mm Width) Series iCoupler? Technology Magnetic Coupling Type RS422, RS485 Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 1/1 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 16Mbps Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 3 V, 5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Manufacturer	Analog Devices Inc.
Package 16-SOIC (0.295", 7.50mm Width) Series iCoupler? Technology Magnetic Coupling Type RS422, RS485 Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 1/1 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/μs Data Rate 16Mbps Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) - Voltage - Supply 3 V, 5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Category	Isolators
Series iCoupler? Technology Magnetic Coupling Type RS422, RS485 Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 1/1 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 16Mbps Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) - Voltage - Supply 3 V, 5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC		Digital Isolators
Technology Magnetic Coupling Type RS422, RS485 Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 1/1 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/μs Data Rate 16Mbps Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) - Voltage - Supply 3 V, 5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Package	16-SOIC (0.295", 7.50mm Width)
Type RS422, RS485 Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 1/1 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 16Mbps Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) - Voltage - Supply 3 V, 5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Series	iCoupler?
Isolated PowerNoNumber of Channels2Inputs - Side 1/Side 21/1Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)25kV/µsData Rate16MbpsPropagation Delay tpLH / tpHL (Max)60ns, 60nsPulse Width Distortion (Max)-Rise / Fall Time (Typ)-Voltage - Supply3 V, 5 VOperating Temperature-40°C ~ 105°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Technology	Magnetic Coupling
Number of Channels2Inputs - Side 1/Side 21/1Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate16MbpsPropagation Delay tpLH / tpHL (Max)60ns, 60nsPulse Width Distortion (Max)-Rise / Fall Time (Typ)-Voltage - Supply3 V, 5 VOperating Temperature-40°C ~ 105°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Туре	RS422, RS485
Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation S000Vrms Common Mode Transient Immunity (Min) Data Rate 16Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 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 5000Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 16Mbps Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) - Voltage - Supply 3 V, 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 5000Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 16Mbps Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) - Voltage - Supply 3 V, 5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Inputs - Side 1/Side 2	1/1
Common Mode Transient Immunity (Min) Data Rate 16Mbps Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) Voltage - Supply 3 V, 5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Channel Type	Unidirectional
Data Rate 16Mbps Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) - Voltage - Supply 3 V, 5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Voltage - Isolation	5000Vrms
Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) - Voltage - Supply 3 V, 5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Common Mode Transient Immunity (Min)	25kV/μs
Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Data Rate	16Mbps
Rise / Fall Time (Typ)-Voltage - Supply $3 \text{ V}, 5 \text{ V}$ 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)	60ns, 60ns
Voltage - Supply $3 \text{ V}, 5 \text{ V}$ 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)	-
Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Voltage - Supply	3 V, 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?

ADM2490EBRWZ 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.

ADM2490EBRWZ Payment Methods



















ADM2490EBRWZ Shipping Methods













If you have any question about ADM2490EBRWZ, please do not hesitate to contact us!

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