



ISO3086TDW Information



For Reference Only

Part Number ISO3086TDW
Manufacturer Texas Instruments

Category Isolators

Digital Isolators

Description DG ISO 2.5KV 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



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ISO3086TDW Specifications

Manufacturer Part Number ISO3086TDW Manufacturer Texas Instruments Category Isolators Package 16-SOIC (0.295", 7.50mm Width) Series - Technology Capacitive Coupling Type RS422, RS485 Isolated Power No Number of Channels 3 Inputs - Side 1/Side 2 2/1 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 20Mbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) 7.5ns Rise / Fall Time (Typ) - Voltage - Supply 3 V ~ 3.6 V, 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 85°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC		
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Isolated Power No Number of Channels 3 Inputs - Side 1/Side 2 2/1 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/μs Data Rate 20Mbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) 7.5ns Rise / Fall Time (Typ) - Voltage - Supply 3 V ~ 3.6 V, 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 85°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Technology	Capacitive Coupling
Number of Channels3Inputs - Side 1/Side 22/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate20MbpsPropagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)7.5nsRise / Fall Time (Typ)-Voltage - Supply3 V ~ 3.6 V, 4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Type	RS422, RS485
Inputs - Side 1/Side 22/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate20MbpsPropagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)7.5nsRise / Fall Time (Typ)-Voltage - Supply3 V ~ 3.6 V, 4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Isolated Power	No
Channel Type Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 20Mbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) 7.5ns Rise / Fall Time (Typ) - Voltage - Supply 3 V ~ 3.6 V, 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 85°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Number of Channels	3
Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/ μ s Data Rate 20Mbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) 7.5ns Rise / Fall Time (Typ) - Voltage - Supply 3 V ~ 3.6 V, 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 85°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Inputs - Side 1/Side 2	2/1
Common Mode Transient Immunity (Min) Data Rate 20Mbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) Rise / Fall Time (Typ) - Voltage - Supply Operating Temperature -40°C ~ 85°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Channel Type	Unidirectional
Data Rate 20Mbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) 7.5ns Rise / Fall Time (Typ) - Voltage - Supply 3 V ~ 3.6 V, 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 85°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) Voltage - Supply Operating Temperature Propagation Delay tpLH / tpHL (Max) - 7.5ns - Voltage - Supply 3 V ~ 3.6 V, 4.5 V ~ 5.5 V - 40°C ~ 85°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	20Mbps
Rise / Fall Time (Typ)-Voltage - Supply $3 \text{ V} \sim 3.6 \text{ V}, 4.5 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 16-SOIC (0.295", 7.50mm Width)Supplier Device Package 16-SOIC	Propagation Delay tpLH / tpHL (Max)	-
Voltage - Supply $3\ V \sim 3.6\ V, 4.5\ V \sim 5.5\ V$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $16\text{-SOIC}\ (0.295'', 7.50\text{mm Width})$ Supplier Device Package 16-SOIC	Pulse Width Distortion (Max)	7.5ns
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ 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 ~ 3.6 V, 4.5 V ~ 5.5 V
Supplier Device Package 16-SOIC	Operating Temperature	-40°C ~ 85°C
	Package / Case	16-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

ISO3086TDW 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.

ISO3086TDW Payment Methods





















ISO3086TDW Shipping Methods













If you have any question about ISO3086TDW, please do not hesitate to contact us!

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