



ISO7231MDW Information



For Reference Only

Part Number ISO7231MDW
Manufacturer Texas Instruments

Category Isolators

Digital Isolators

Description DGTL ISO 2.5KV GEN PURP 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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ISO7231MDW Specifications

Manufacturer Part Number ISO7231MDW Manufacturer Texas Instruments Category Isolators Package 16-SOIC (0.295", 7.50mm Width) Series - Technology Capacitive Coupling Type General Purpose 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 150Mbps Propagation Delay tpLH / tpHL (Max) 23ns, 23ns Pulse Width Distortion (Max) 2ns Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 3.15 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC		
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Isolated PowerNoNumber of Channels3Inputs - Side 1/Side 2 $2/1$ Channel TypeUnidirectionalVoltage - Isolation $2500Vrms$ Common Mode Transient Immunity (Min) $25kV/\mu s$ Data Rate $150Mbps$ Propagation Delay tpLH / tpHL (Max) $23ns$, $23ns$ Pulse Width Distortion (Max) $2ns$ Rise / Fall Time (Typ) $2ns$, $2ns$ Voltage - Supply $3.15 V \sim 5.5 V$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ 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 Rate150MbpsPropagation Delay tpLH / tpHL (Max)23ns, 23nsPulse Width Distortion (Max)2nsRise / Fall Time (Typ)2ns, 2nsVoltage - Supply3.15 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Type	General Purpose
Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 3.15 V ~ 5.5 V Operating Temperature -40°C ~ 125°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) 25kV/µs Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 23ns, 23ns Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 3.15 V ~ 5.5 V Operating Temperature -40°C ~ 125°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/µs Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Inputs - Side 1/Side 2	2/1
Common Mode Transient Immunity (Min) 25kV/ μ s Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 23ns, 23ns Pulse Width Distortion (Max) 2ns Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 3.15 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Channel Type	Unidirectional
Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 23ns, 23ns Pulse Width Distortion (Max) 2ns Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 3.15 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Voltage - Isolation	2500Vrms
Propagation Delay tpLH / tpHL (Max) 23ns, 23ns Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 3.15 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Common Mode Transient Immunity (Min)	25kV/μs
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Voltage - Supply $3.15 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $16\text{-SOIC} \ (0.295'', 7.50\text{mm Width})$ Supplier Device Package 16-SOIC	Pulse Width Distortion (Max)	2ns
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Rise / Fall Time (Typ)	2ns, 2ns
Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Voltage - Supply	3.15 V ~ 5.5 V
Supplier Device Package 16-SOIC	Operating Temperature	-40°C ~ 125°C
	Package / Case	16-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

ISO7231MDW 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.

ISO7231MDW Payment Methods





















ISO7231MDW Shipping Methods













If you have any question about ISO7231MDW, please do not hesitate to contact us!

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