



ISO7820LLDWR Information



For Reference Only

Part Number ISO7820LLDWR
Manufacturer Texas Instruments

Category Isolators

Digital Isolators

Description DGTL ISO 5.7KV 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



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.









ISO7820LLDWR Specifications

Manufacturer Part Number ISO7820LLDWR 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 2 Inputs - Side 1/Side 2 2/0 Channel Type Unidirectional Voltage - Isolation 5700Vrms Common Mode Transient Immunity (Min) 100kV/µs Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) 25ns, 25ns Pulse Width Distortion (Max) 4.5ns Rise / Fall Time (Typ) - Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -55°C ~ 125°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 - Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/0 Channel Type Unidirectional Voltage - Isolation 5700Vrms Common Mode Transient Immunity (Min) 100kV/μs Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) 25ns, 25ns Pulse Width Distortion (Max) 4.5ns Rise / Fall Time (Typ) - Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Manufacturer Part Number	ISO7820LLDWR
Package Digital Isolators Package 16-SOIC (0.295", 7.50mm Width) Series - Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/0 Channel Type Unidirectional Voltage - Isolation 5700Vrms Common Mode Transient Immunity (Min) 100kV/µs Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) 25ns, 25ns Pulse Width Distortion (Max) 4.5ns Rise / Fall Time (Typ) - Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Manufacturer	Texas Instruments
Package 16-SOIC (0.295", 7.50mm Width) Series - Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/0 Channel Type Unidirectional Voltage - Isolation 5700Vrms Common Mode Transient Immunity (Min) 100kV/µs Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) 25ns, 25ns Pulse Width Distortion (Max) 4.5ns Rise / Fall Time (Typ) - Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Category	Isolators
Series - Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/0 Channel Type Unidirectional Voltage - Isolation 5700Vrms Common Mode Transient Immunity (Min) 100kV/μs Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) 25ns, 25ns Pulse Width Distortion (Max) 4.5ns Rise / Fall Time (Typ) - Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC		Digital Isolators
Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/0 Channel Type Unidirectional Voltage - Isolation 5700Vrms Common Mode Transient Immunity (Min) 100kV/μs Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) 25ns, 25ns Pulse Width Distortion (Max) 4.5ns Rise / Fall Time (Typ) - Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Package	16-SOIC (0.295", 7.50mm Width)
Type General Purpose Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/0 Channel Type Unidirectional Voltage - Isolation 5700Vrms Common Mode Transient Immunity (Min) 100kV/µs Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) 25ns, 25ns Pulse Width Distortion (Max) 4.5ns Rise / Fall Time (Typ) - Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 116-SOIC	Series	-
Isolated PowerNoNumber of Channels2Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation5700VrmsCommon Mode Transient Immunity (Min)100kV/μsData Rate100MbpsPropagation Delay tpLH / tpHL (Max)25ns, 25nsPulse Width Distortion (Max)4.5nsRise / Fall Time (Typ)-Voltage - Supply2.25 V ~ 5.5 VOperating Temperature-55°C ~ 125°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Technology	Capacitive Coupling
Number of Channels2Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation5700VrmsCommon Mode Transient Immunity (Min)100kV/μsData Rate100MbpsPropagation Delay tpLH / tpHL (Max)25ns, 25nsPulse Width Distortion (Max)4.5nsRise / Fall Time (Typ)-Voltage - Supply2.25 V ~ 5.5 VOperating Temperature-55°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 5700Vrms Common Mode Transient Immunity (Min) Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Isolated Power	No
Channel TypeUnidirectionalVoltage - Isolation5700VrmsCommon Mode Transient Immunity (Min)100kV/μsData Rate100MbpsPropagation Delay tpLH / tpHL (Max)25ns, 25nsPulse Width Distortion (Max)4.5nsRise / Fall Time (Typ)-Voltage - Supply2.25 V ~ 5.5 VOperating Temperature-55°C ~ 125°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Number of Channels	2
Voltage - Isolation 5700Vrms Common Mode Transient Immunity (Min) 100kV/μs Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) 25ns, 25ns Pulse Width Distortion (Max) 4.5ns Rise / Fall Time (Typ) - Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Inputs - Side 1/Side 2	2/0
Common Mode Transient Immunity (Min) Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) 25ns, 25ns Pulse Width Distortion (Max) 4.5ns Rise / Fall Time (Typ) - Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Channel Type	Unidirectional
Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) 25ns, 25ns Pulse Width Distortion (Max) 4.5ns Rise / Fall Time (Typ) - Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Voltage - Isolation	5700Vrms
Propagation Delay tpLH / tpHL (Max) 25ns, 25ns Pulse Width Distortion (Max) 4.5ns Rise / Fall Time (Typ) - Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Common Mode Transient Immunity (Min)	100kV/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	100Mbps
Rise / Fall Time (Typ) - Voltage - Supply 2.25 V \sim 5.5 V Operating Temperature -55°C \sim 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Propagation Delay tpLH / tpHL (Max)	25ns, 25ns
Voltage - Supply $2.25 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $16\text{-SOIC} \ (0.295'', 7.50 \text{mm Width})$ Supplier Device Package 16-SOIC	Pulse Width Distortion (Max)	4.5ns
Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Rise / Fall Time (Typ)	-
Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Voltage - Supply	2.25 V ~ 5.5 V
Supplier Device Package 16-SOIC	Operating Temperature	-55°C ~ 125°C
	Package / Case	16-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	16-SOIC
· · · · · · · · · · · · · · · · · · ·		Report errors?

ISO7820LLDWR 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.

ISO7820LLDWR Payment Methods





















ISO7820LLDWR Shipping Methods













If you have any question about ISO7820LLDWR, please do not hesitate to contact us!

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