



ISO7420DR Information



For Reference Only

Part Number ISO7420DR

Manufacturer Texas Instruments

Category Isolators

Digital Isolators

DescriptionDGTL ISO 2.5KV GEN PURP 8SOIC**Package**8-SOIC (0.154", 3.90mm 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.









ISO7420DR Specifications

Manufacturer Part Number ISO7420DR Manufacturer Texas Instruments Category Isolators Package 8-SOIC (0.154", 3.90mm 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 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate Imbps Propagation Delay tpLH / tpHL (Max) 14ns, 14ns Pulse Width Distortion (Max) 3.7ns Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3.15 V ~ 3.45 V, 4.75 V ~ 5.25 V Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC		
Category Isolators Package 8-SOIC (0.154", 3.90mm 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 2500Vrms Common Mode Transient Immunity (Min) 25kV/μs Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) 14ns, 14ns Pulse Width Distortion (Max) 3.7ns Rise / Fall Time (Typ) Ins, 1ns Voltage - Supply 3.15 V ~ 3.45 V, 4.75 V ~ 5.25 V Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Manufacturer Part Number	ISO7420DR
Package 8-SOIC (0.154", 3.90mm 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 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) 14ns, 14ns Pulse Width Distortion (Max) 3.7ns Rise / Fall Time (Typ) Ins, 1ns Voltage - Supply 3.15 V ~ 3.45 V, 4.75 V ~ 5.25 V Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Manufacturer	Texas Instruments
Package 8-SOIC (0.154", 3.90mm 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 2500Vrms Common Mode Transient Immunity (Min) 25kV/μs Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) 14ns, 14ns Pulse Width Distortion (Max) 3.7ns Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3.15 V ~ 3.45 V, 4.75 V ~ 5.25 V Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-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 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) 14ns, 14ns Pulse Width Distortion (Max) 3.7ns Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3.15 V ~ 3.45 V, 4.75 V ~ 5.25 V Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC		Digital Isolators
Technology Type General Purpose Isolated Power No Number of Channels Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation Common Mode Transient Immunity (Min) Data Rate IMbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply Voltage - Supply Operating Temperature Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Package	8-SOIC (0.154", 3.90mm Width)
TypeGeneral PurposeIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)14ns, 14nsPulse Width Distortion (Max)3.7nsRise / Fall Time (Typ)1ns, 1nsVoltage - Supply3.15 V ~ 3.45 V, 4.75 V ~ 5.25 VOperating Temperature-40°C ~ 105°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Series	-
Isolated PowerNoNumber of Channels2Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/µsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)14ns, 14nsPulse Width Distortion (Max)3.7nsRise / Fall Time (Typ)1ns, 1nsVoltage - Supply3.15 V ~ 3.45 V, 4.75 V ~ 5.25 VOperating Temperature-40°C ~ 105°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Technology	Capacitive Coupling
Number of Channels2Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)14ns, 14nsPulse Width Distortion (Max)3.7nsRise / Fall Time (Typ)1ns, 1nsVoltage - Supply3.15 V ~ 3.45 V, 4.75 V ~ 5.25 VOperating Temperature-40°C ~ 105°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Туре	General Purpose
Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)14ns, 14nsPulse Width Distortion (Max)3.7nsRise / Fall Time (Typ)1ns, 1nsVoltage - Supply3.15 V ~ 3.45 V, 4.75 V ~ 5.25 VOperating Temperature-40°C ~ 105°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Isolated Power	No
Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3.15 V ~ 3.45 V, 4.75 V ~ 5.25 V Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Number of Channels	2
Voltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)14ns, 14nsPulse Width Distortion (Max)3.7nsRise / Fall Time (Typ)1ns, 1nsVoltage - Supply3.15 V ~ 3.45 V, 4.75 V ~ 5.25 VOperating Temperature-40°C ~ 105°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Inputs - Side 1/Side 2	2/0
Common Mode Transient Immunity (Min) 25kV/ μ s Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) 14ns, 14ns Pulse Width Distortion (Max) 3.7ns Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3.15 V ~ 3.45 V, 4.75 V ~ 5.25 V Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Channel Type	Unidirectional
Data Rate Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply Operating Temperature Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Voltage - Isolation	2500Vrms
Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply Operating Temperature Propagation Delay tpLH / tpHL (Max) 14ns, 14ns 1ns, 1ns 1ns, 1ns Voltage - Supply Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Common Mode Transient Immunity (Min)	25kV/μs
Pulse Width Distortion (Max) Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3.15 V ~ 3.45 V, 4.75 V ~ 5.25 V Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Data Rate	1Mbps
Rise / Fall Time (Typ)1ns, 1nsVoltage - Supply $3.15 \text{ V} \sim 3.45 \text{ V}, 4.75 \text{ V} \sim 5.25 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case8-SOIC $(0.154^{\circ}, 3.90 \text{mm Width})$ Supplier Device Package8-SOIC	Propagation Delay tpLH / tpHL (Max)	14ns, 14ns
Voltage - Supply $3.15 \text{ V} \sim 3.45 \text{ V}, 4.75 \text{ V} \sim 5.25 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $8\text{-SOIC } (0.154^{\circ}\text{H}, 3.90 \text{mm Width})$ Supplier Device Package 8-SOIC	Pulse Width Distortion (Max)	3.7ns
Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Rise / Fall Time (Typ)	1ns, 1ns
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Voltage - Supply	3.15 V ~ 3.45 V, 4.75 V ~ 5.25 V
Supplier Device Package 8-SOIC	Operating Temperature	-40°C ~ 105°C
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SOIC
		Report errors?

ISO7420DR 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.

ISO7420DR Payment Methods











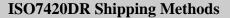
























If you have any question about ISO7420DR, please do not hesitate to contact us!

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