



ISO7741FQDWRQ1 Information



For Reference Only

Part Number ISO7741FQDWRQ1
Manufacturer Texas Instruments

Category Isolators

Digital Isolators

Description DGTL ISO 5KV 4CH GEN PRP 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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ISO7741FQDWRQ1 Specifications

Manufacturer Part Number ISO774IFQDWRQ1 Manufacturer Texas Instruments Category Isolators Package 16-SOIC (0.295", 7.50mm Width) Series Automotive, AEC-Q100 Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 3/1 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 40kV/µs Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) 16ns, 16ns Pulse Width Distortion (Max) 4.9ns Rise / Fall Time (Typ) 2.4ns, 2.4ns Voltage - Supply 2.25 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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SeriesAutomotive, AEC-Q100TechnologyCapacitive CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels4Inputs - Side 1/Side 23/1Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)40kV/µsData Rate100MbpsPropagation Delay tpLH / tpHL (Max)16ns, 16nsPulse Width Distortion (Max)4.9nsRise / Fall Time (Typ)2.4ns, 2.4nsVoltage - Supply2.25 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC		Digital Isolators
TechnologyCapacitive CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels4Inputs - Side 1/Side 2 $3/1$ Channel TypeUnidirectionalVoltage - Isolation $5000Vrms$ Common Mode Transient Immunity (Min) $40kV/\mu s$ Data Rate $100Mbps$ Propagation Delay tpLH / tpHL (Max) $16ns, 16ns$ Pulse Width Distortion (Max) $4.9ns$ Rise / Fall Time (Typ) $2.4ns, 2.4ns$ Voltage - Supply $2.25 V \sim 5.5 V$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Package / Case $16-SOIC (0.295^{\circ}, 7.50mm Width)$ Supplier Device Package $16-SOIC$	Package	16-SOIC (0.295", 7.50mm Width)
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Isolated PowerNoNumber of Channels4Inputs - Side 1/Side 23/1Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)40kV/μsData Rate100MbpsPropagation Delay tpLH / tpHL (Max)16ns, 16nsPulse Width Distortion (Max)4.9nsRise / Fall Time (Typ)2.4ns, 2.4nsVoltage - Supply2.25 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Technology	Capacitive Coupling
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Channel Type Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply 2.4ns, 2.4ns Voltage - Supply 2.25 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	4
Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 40kV/µs Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) 16ns, 16ns Pulse Width Distortion (Max) 4.9ns Rise / Fall Time (Typ) 2.4ns, 2.4ns Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Inputs - Side 1/Side 2	3/1
Common Mode Transient Immunity (Min) Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.4ns, 2.4ns Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Channel Type	Unidirectional
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Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.4ns, 2.4ns Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Common Mode Transient Immunity (Min)	$40kV/\mu s$
Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.4ns, 2.4ns Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Data Rate	100Mbps
Rise / Fall Time (Typ) 2.4ns, 2.4ns Voltage - Supply 2.25 V \sim 5.5 V Operating Temperature -40°C \sim 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Propagation Delay tpLH / tpHL (Max)	16ns, 16ns
Voltage - Supply $2.25 \text{ V} \sim 5.5 \text{ V}$ 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)	4.9ns
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)	2.4ns, 2.4ns
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	-40°C ~ 125°C
	Package / Case	16-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

ISO7741FQDWRQ1 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.

ISO7741FQDWRQ1 Payment Methods



















ISO7741FQDWRQ1 Shipping Methods













If you have any question about ISO7741FQDWRQ1, please do not hesitate to contact us!

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