



ISO7741FDBQ Information



For Reference Only

Part Number ISO7741FDBQ
Manufacturer Texas Instruments

Category Isolators

Digital Isolators

Description DGTL ISO 2.5KV GEN PURP 16SSOP

Package -

For the pricing/inventory/lead time, please contact

us

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



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ISO7741FDBQ Specifications

Manufacturer Part Number ISO7741FDBQ Manufacturer Texas Instruments Category Isolators Package - Series - 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 2500Vrms Common Mode Transient Immunity (Min) 85kV/μs Data Rate 100Mbps Propagation Delay tpLH / tpHL (Max) 4.9ns Rise / Fall Time (Typ) 2.4ns, 2.4ns Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case - Supplier Device Package -		
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TypeGeneral PurposeIsolated PowerNoNumber of Channels4Inputs - Side 1/Side 23/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)85kV/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-55°C ~ 125°CPackage / Case-Supplier Device Package-	Series	-
Isolated PowerNoNumber of Channels4Inputs - Side 1/Side 23/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)85kV/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-55°C ~ 125°CPackage / Case-Supplier Device Package-	Technology	Capacitive Coupling
Number of Channels4Inputs - Side 1/Side 23/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)85kV/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-55°C ~ 125°CPackage / Case-Supplier Device Package-	Туре	General Purpose
Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation 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 Supplier Device Package 3/1 Unidirectional Unidirectional Valoy 4500 Valoy 85kV/µs 100Mbps 16ns, 16ns 4.9ns 2.4ns, 2.4ns 2.4ns, 2.4ns -55°C ~ 125°C 125°C Package / Case Supplier Device Package	Isolated Power	No
Channel Type Unidirectional Voltage - Isolation 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 Package / Case Supplier Device Package Unidirectional Unidirectional Unidirectional 2500Vrms 85kV/µs 100Mbps 16ns, 16ns 4.9ns 2.4ns, 2.4ns 2.25 V ~ 5.5 V -55°C ~ 125°C Package / Case - Supplier Device Package	Number of Channels	4
Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 85kV/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 -55°C ~ 125°C Package / Case - Supplier Device Package -	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 Operating Temperature -55°C ~ 125°C Package / Case Supplier Device Package -	Channel Type	Unidirectional
Data 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-55°C ~ 125°CPackage / Case-Supplier Device Package-	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) 4.9ns 2.4ns, 2.4ns 2.25 V ~ 5.5 V -55°C ~ 125°C Package / Case Supplier Device Package -	Common Mode Transient Immunity (Min)	$85 kV/\mu s$
Pulse Width Distortion (Max)4.9nsRise / Fall Time (Typ)2.4ns, 2.4nsVoltage - Supply2.25 V ~ 5.5 VOperating Temperature-55°C ~ 125°CPackage / Case-Supplier Device Package-	Data Rate	100Mbps
Rise / Fall Time (Typ) 2.4ns, 2.4ns Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case Supplier Device Package -	Propagation Delay tpLH / tpHL (Max)	16ns, 16ns
Voltage - Supply $ 2.25 \text{ V} \sim 5.5 \text{ V} $ Operating Temperature $ -55^{\circ}\text{C} \sim 125^{\circ}\text{C} $ Package / Case $ - $ Supplier Device Package $ - $	Pulse Width Distortion (Max)	4.9ns
Operating Temperature-55°C ~ 125°CPackage / Case-Supplier Device Package-	Rise / Fall Time (Typ)	2.4ns, 2.4ns
Package / Case - Supplier Device Package -	Voltage - Supply	2.25 V ~ 5.5 V
Supplier Device Package -	Operating Temperature	-55°C ~ 125°C
	Package / Case	-
Report errors?	Supplier Device Package	-
		Report errors?

ISO7741FDBQ 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.

ISO7741FDBQ Payment Methods





















ISO7741FDBQ Shipping Methods













If you have any question about ISO7741FDBQ, please do not hesitate to contact us!

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