



ADUM1440ARQZ Information



For Reference Only

Part Number ADUM1440ARQZ **Manufacturer** Analog Devices Inc.

Category Isolators

Digital Isolators

Description DGTL ISO 2.5KV GEN PURP 16QSOP

Package 16-SSOP (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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ADUM1440ARQZ Specifications

Manufacturer Part Number ADUM1440ARQZ Manufacturer Analog Devices Inc. Category Isolators Package 16-SSOP (0.154", 3.90mm Width) Series iCoupler? Technology Magnetic Coupling Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 4/0 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 2Mbps Propagation Delay tpLH / tpHL (Max) 180ns, 180ns Pulse Width Distortion (Max) 8ns Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 2.25 V ~ 3.6 V Operating Temperature -40°C ~ 125°C Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package 16-QSOP		
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TypeGeneral PurposeIsolated PowerNoNumber of Channels4Inputs - Side 1/Side 24/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/µsData Rate2MbpsPropagation Delay tpLH / tpHL (Max)180ns, 180nsPulse Width Distortion (Max)8nsRise / Fall Time (Typ)2ns, 2nsVoltage - Supply2.25 V ~ 3.6 VOperating Temperature-40°C ~ 125°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-QSOP	Series	iCoupler?
Isolated PowerNoNumber of Channels4Inputs - Side 1/Side 24/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/µsData Rate2MbpsPropagation Delay tpLH / tpHL (Max)180ns, 180nsPulse Width Distortion (Max)8nsRise / Fall Time (Typ)2ns, 2nsVoltage - Supply2.25 V ~ 3.6 VOperating Temperature-40°C ~ 125°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-QSOP	Technology	Magnetic Coupling
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Inputs - Side 1/Side 24/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate2MbpsPropagation Delay tpLH / tpHL (Max)180ns, 180nsPulse Width Distortion (Max)8nsRise / Fall Time (Typ)2ns, 2nsVoltage - Supply2.25 V ~ 3.6 VOperating Temperature-40°C ~ 125°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-QSOP	Isolated Power	No
Channel Type Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) Data Rate Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package	Number of Channels	4
Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 2Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 2.25 V ~ 3.6 V Operating Temperature -40°C ~ 125°C Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package	Inputs - Side 1/Side 2	4/0
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Data Rate 2Mbps Propagation Delay tpLH / tpHL (Max) 180ns, 180ns Pulse Width Distortion (Max) 8ns Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 2.25 V ~ 3.6 V Operating Temperature -40°C ~ 125°C Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package 16-QSOP	Voltage - Isolation	2500Vrms
Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 2.25 V ~ 3.6 V Operating Temperature -40°C ~ 125°C Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package 16-QSOP	Common Mode Transient Immunity (Min)	$25kV/\mu s$
Pulse Width Distortion (Max)8nsRise / Fall Time (Typ)2ns, 2nsVoltage - Supply2.25 V ~ 3.6 VOperating Temperature-40°C ~ 125°CPackage / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-QSOP	Data Rate	2Mbps
Rise / Fall Time (Typ) $2ns, 2ns$ Voltage - Supply $2.25 \text{ V} \sim 3.6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 16-SSOP (0.154° , 3.90mm Width)Supplier Device Package 16-QSOP	Propagation Delay tpLH / tpHL (Max)	180ns, 180ns
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Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $16\text{-SSOP} (0.154^{\circ}, 3.90 \text{mm Width})$ Supplier Device Package 16-QSOP	Rise / Fall Time (Typ)	2ns, 2ns
Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package 16-QSOP	Voltage - Supply	2.25 V ~ 3.6 V
Supplier Device Package 16-QSOP	Operating Temperature	-40°C ~ 125°C
	Package / Case	16-SSOP (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	16-QSOP
		Report errors?

ADUM1440ARQZ 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.

ADUM1440ARQZ Payment Methods





















ADUM1440ARQZ Shipping Methods













If you have any question about ADUM1440ARQZ, please do not hesitate to contact us!

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