



ADUM1280ARZ Information



For Reference Only

Part Number ADUM1280ARZ
Manufacturer Analog Devices Inc.

Category Isolators

Digital Isolators

Description DGTL ISO 3KV 2CH 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



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ADUM1280ARZ Specifications

Manufacturer Part Number ADUM1280ARZ Manufacturer Analog Devices Inc. Category Isolators Package 8-SOIC (0.154", 3.90mm Width) Series iCoupler? Technology Magnetic Coupling Type General Purpose Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/0 Channel Type Unidirectional Voltage - Isolation 3000Vrms Common Mode Transient Immunity (Min) 25kV/μs Data Rate IMbps Propagation Delay tpLH / tpHL (Max) 50ns, 50ns Pulse Width Distortion (Max) 10ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC		
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Technology Type General Purpose Isolated Power 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) Propagation (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature Package / Case 8-SOIC (0.154", 3.90mm Width) Sumbar (See Package) General Purpose No General Purpose No Seneral Purpose No Seneral Purpose No Sons Sons 2/0 Lindirectional 2/0 Lindirectional 2/0 2/0 Lindirectional 3000Vrms 2/5kV/µs 10ms 10ms 2.5ns, 2.5ns 2.5	Package	8-SOIC (0.154", 3.90mm Width)
TypeGeneral PurposeIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation3000VrmsCommon Mode Transient Immunity (Min)25kV/µsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)50ns, 50nsPulse Width Distortion (Max)10nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Series	iCoupler?
Isolated PowerNoNumber of Channels2Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation3000VrmsCommon Mode Transient Immunity (Min)25kV/µsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)50ns, 50nsPulse Width Distortion (Max)10nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Technology	Magnetic Coupling
Number of Channels2Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation3000VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)50ns, 50nsPulse Width Distortion (Max)10nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Type	General Purpose
Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation3000VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)50ns, 50nsPulse Width Distortion (Max)10nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Isolated Power	No
Channel TypeUnidirectionalVoltage - Isolation3000VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)50ns, 50nsPulse Width Distortion (Max)10nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Number of Channels	2
Voltage - Isolation 3000Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) 50ns, 50ns Pulse Width Distortion (Max) 10ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Inputs - Side 1/Side 2	2/0
Common Mode Transient Immunity (Min) 25kV/ μ s Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) 50ns, 50ns Pulse Width Distortion (Max) 10ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Channel Type	Unidirectional
Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) 50ns, 50ns Pulse Width Distortion (Max) 10ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Voltage - Isolation	3000Vrms
Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Common Mode Transient Immunity (Min)	$25kV/\mu s$
Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Data Rate	1Mbps
Rise / Fall Time (Typ) $2.5 \text{ns}, 2.5 \text{ns}$ Voltage - Supply $3 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 8-SOIC (0.154° , 3.90mm Width)Supplier Device Package 8-SOIC	Propagation Delay tpLH / tpHL (Max)	50ns, 50ns
Voltage - Supply $3\ V \sim 5.5\ V$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $8\text{-SOIC }(0.154^{\circ}\text{, }3.90\text{mm Width})$ Supplier Device Package 8-SOIC	Pulse Width Distortion (Max)	10ns
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Supplier Device Package $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ 8-SOIC $(0.154^{\circ}, 3.90 \text{mm Width})$	Rise / Fall Time (Typ)	2.5ns, 2.5ns
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Voltage - Supply	3 V ~ 5.5 V
Supplier Device Package 8-SOIC	Operating Temperature	-40°C ~ 125°C
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SOIC
		Report errors?

ADUM1280ARZ 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.

ADUM1280ARZ Payment Methods



















ADUM1280ARZ Shipping Methods













If you have any question about ADUM1280ARZ, please do not hesitate to contact us!

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