



ADUM1201ARZ Information



For Reference Only

Part Number ADUM1201ARZ
Manufacturer Analog Devices Inc.

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



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ADUM1201ARZ Specifications

Manufacturer Part Number ADUM1201ARZ 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 1/1 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate IMbps Propagation Delay tpLH / tpHL (Max) 150ns, 150ns Pulse Width Distortion (Max) 40ns Rise / Fall Time (Typ) 10ns, 10ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC		
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TechnologyMagnetic CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 21/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)150ns, 150nsPulse Width Distortion (Max)40nsRise / Fall Time (Typ)10ns, 10nsVoltage - Supply2.7 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Package	8-SOIC (0.154", 3.90mm Width)
TypeGeneral PurposeIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 21/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)150ns, 150nsPulse Width Distortion (Max)40nsRise / Fall Time (Typ)10ns, 10nsVoltage - Supply2.7 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Series	iCoupler?
Isolated Power Number of Channels Inputs - Side 1/Side 2 Inputs - Side 1/Side 2 Unidirectional Voltage - Isolation Common Mode Transient Immunity (Min) Data Rate Imputs - Side 1/Side 2 Imputs - Side 1/Side 2 Unidirectional Voltage - Isolation 2500Vrms Limburg Limburg	Technology	Magnetic Coupling
Number of Channels2Inputs - Side 1/Side 21/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)150ns, 150nsPulse Width Distortion (Max)40nsRise / Fall Time (Typ)10ns, 10nsVoltage - Supply2.7 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Туре	General Purpose
Inputs - Side 1/Side 21/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)150ns, 150nsPulse Width Distortion (Max)40nsRise / Fall Time (Typ)10ns, 10nsVoltage - Supply2.7 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Isolated Power	No
Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)150ns, 150nsPulse Width Distortion (Max)40nsRise / Fall Time (Typ)10ns, 10nsVoltage - Supply2.7 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Number of Channels	2
Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 10ns, 10ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Inputs - Side 1/Side 2	1/1
Common Mode Transient Immunity (Min) Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 10ns, 10ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Channel Type	Unidirectional
Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) 150ns, 150ns Pulse Width Distortion (Max) 40ns Rise / Fall Time (Typ) 10ns, 10ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Voltage - Isolation	2500Vrms
Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 10ns, 10ns Voltage - Supply 2.7 V ~ 5.5 V 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)40nsRise / Fall Time (Typ)10ns, 10nsVoltage - Supply2.7 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Data Rate	1Mbps
Rise / Fall Time (Typ) 10ns, 10ns Voltage - Supply 2.7 V \sim 5.5 V Operating Temperature -40°C \sim 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Propagation Delay tpLH / tpHL (Max)	150ns, 150ns
Voltage - Supply $ 2.7 \text{ V} \sim 5.5 \text{ V} $ Operating Temperature $ -40^{\circ}\text{C} \sim 105^{\circ}\text{C} $ Package / Case $ 8-\text{SOIC} \ (0.154'', 3.90 \text{mm Width}) $ Supplier Device Package $ 8-\text{SOIC} $ $ 8-\text{SOIC} $	Pulse Width Distortion (Max)	40ns
Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Supplier Device Package $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ 8-SOIC $(0.154^{\circ}, 3.90 \text{mm Width})$	Rise / Fall Time (Typ)	10ns, 10ns
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Voltage - Supply	2.7 V ~ 5.5 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?

ADUM1201ARZ 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.

ADUM1201ARZ Payment Methods





















ADUM1201ARZ Shipping Methods













If you have any question about ADUM1201ARZ, please do not hesitate to contact us!

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