

ADUM1251ARZ-RL7

ADUM1251ARZ-RL7 Information



For Reference Only

Part Number ADUM1251ARZ-RL7
Manufacturer Analog Devices Inc.

Category Isolators

Digital Isolators

DescriptionDGTL ISO 2.5KV 2CH I2C 8SOICPackage8-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



Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









ADUM1251ARZ-RL7 Specifications

Manufacturer Part Number ADUM1251 ARZ-RL7 Manufacturer Analog Devices Inc. Category Isolators Package 8-SOIC (0.154", 3.90mm Width) Series iCoupler? Technology Magnetic Coupling Type 12C Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/1 Channel Type Bidirectional, Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/μs Data Rate IMbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) 145ns, 85ns Rise / Fall Time (Typ) 3 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC		
Category Isolators Package 8-SOIC (0.154", 3.90mm Width) Series iCoupler? Technology Magnetic Coupling Type 12C Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/1 Channel Type Bidirectional, Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/μs Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) 145ns, 85ns Rise / Fall Time (Typ) - Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Manufacturer Part Number	ADUM1251ARZ-RL7
Package B-SOIC (0.154", 3.90mm Width) Series iCoupler? Technology Magnetic Coupling Type 12C Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/1 Channel Type Bidirectional, Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/μs Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) 145ns, 85ns Rise / Fall Time (Typ) - Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Manufacturer	Analog Devices Inc.
Package 8-SOIC (0.154", 3.90mm Width) Series iCoupler? Technology Magnetic Coupling Type 12C Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/1 Channel Type Bidirectional, Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) 145ns, 85ns Rise / Fall Time (Typ) - Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Category	Isolators
Series iCoupler? Technology Magnetic Coupling Type I2C Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/1 Channel Type Bidirectional, Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25k V/μs Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) 145ns, 85ns Rise / Fall Time (Typ) - Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC		Digital Isolators
TechnologyMagnetic CouplingTypeI2CIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 22/1Channel TypeBidirectional, UnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)145ns, 85nsRise / Fall Time (Typ)-Voltage - Supply3 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)
TypeI2CIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 2 $2/1$ Channel TypeBidirectional, UnidirectionalVoltage - Isolation $2500Vrms$ Common Mode Transient Immunity (Min) $25kV/\mu s$ Data Rate1MbpsPropagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max) $145ns, 85ns$ Rise / Fall Time (Typ)-Voltage - Supply $3 \ V \sim 5.5 \ V$ Operating Temperature $-40^{\circ}C \sim 105^{\circ}C$ Package / Case $8-SOIC (0.154^{\circ}, 3.90mm \ Width)$ Supplier Device Package $8-SOIC$	Series	iCoupler?
Isolated Power Number of Channels Inputs - Side 1/Side 2 Channel Type Bidirectional, Unidirectional Voltage - Isolation Common Mode Transient Immunity (Min) Data Rate IMbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature -40°C ~ 105°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Technology	Magnetic Coupling
Number of Channels2Inputs - Side 1/Side 22/1Channel TypeBidirectional, UnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)145ns, 85nsRise / Fall Time (Typ)-Voltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Туре	I2C
Inputs - Side 1/Side 22/1Channel TypeBidirectional, UnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)145ns, 85nsRise / Fall Time (Typ)-Voltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Isolated Power	No
Channel TypeBidirectional, UnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)145ns, 85nsRise / Fall Time (Typ)-Voltage - Supply3 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 Common Mode Transient Immunity (Min) Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Inputs - Side 1/Side 2	2/1
Common Mode Transient Immunity (Min) Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) Rise / Fall Time (Typ) - Voltage - Supply Operating Temperature Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Channel Type	Bidirectional, Unidirectional
Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) 145ns, 85ns Rise / Fall Time (Typ) - Voltage - Supply 3 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) Voltage - Supply Operating Temperature Propagation Delay tpLH / tpHL (Max)	Common Mode Transient Immunity (Min)	$25kV/\mu s$
Pulse Width Distortion (Max) Rise / Fall Time (Typ) - Voltage - Supply Operating Temperature Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 145ns, 85ns	Data Rate	1Mbps
Rise / Fall Time (Typ)-Voltage - Supply $3 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case 8-SOIC (0.154", 3.90mm Width)Supplier Device Package 8-SOIC	Propagation Delay tpLH / tpHL (Max)	-
Voltage - Supply $3\ V \sim 5.5\ V$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $8\text{-SOIC }(0.154^{\circ}\text{, }3.90\text{mm Width})$ Supplier Device Package 8-SOIC	Pulse Width Distortion (Max)	145ns, 85ns
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)	-
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 ~ 105°C
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SOIC
		Report errors?

ADUM1251ARZ-RL7 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.

ADUM1251ARZ-RL7 Payment Methods



















ADUM1251ARZ-RL7 Shipping Methods













If you have any question about ADUM1251ARZ-RL7, please do not hesitate to contact us!

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