



ADUM3154ARSZ Information



For Reference Only

Part Number ADUM3154ARSZ
Manufacturer Analog Devices Inc.

Category Isolators

Digital Isolators

DescriptionDGTL ISO 3.75KV 4CH SPI 20SSOPPackage20-SSOP (0.209", 5.30mm Width)

For the pricing/inventory/lead time, please contact

us

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



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ADUM3154ARSZ Specifications

Manufacturer Part Number ADUM3154ARSZ Manufacturer Analog Devices Inc. Category Isolators Package 20-SSOP (0.209", 5.30mm Width) Series iCoupler?, SPIsolator? Technology Magnetic Coupling Type SPI Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 3/1 Channel Type Unidirectional Voltage - Isolation 3750Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 2Mbps Propagation Delay tpLH / tpHL (Max) 25ns, 25ns Pulse Width Distortion (Max) 2ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature 40°C ~ 125°C Package / Case 20-SSOP (0.209", 5.30mm Width) Supplier Device Package 20-SSOP		
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Number of Channels4Inputs - Side 1/Side 23/1Channel TypeUnidirectionalVoltage - Isolation3750VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate2MbpsPropagation Delay tpLH / tpHL (Max)25ns, 25nsPulse Width Distortion (Max)2nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Type	SPI
Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation 3750Vrms Common Mode Transient Immunity (Min) Data Rate 2Mbps 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 20-SSOP (0.209", 5.30mm Width) Supplier Device Package	Isolated Power	No
Channel TypeUnidirectionalVoltage - Isolation3750VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate2MbpsPropagation Delay tpLH / tpHL (Max)25ns, 25nsPulse Width Distortion (Max)2nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Number of Channels	4
Voltage - Isolation 3750Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 2Mbps Propagation Delay tpLH / tpHL (Max) 25ns, 25ns Pulse Width Distortion (Max) 2ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 20-SSOP (0.209", 5.30mm Width) Supplier Device Package 20-SSOP	Inputs - Side 1/Side 2	3/1
Common Mode Transient Immunity (Min) Data Rate 2Mbps Propagation Delay tpLH / tpHL (Max) 25ns, 25ns 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 20-SSOP (0.209", 5.30mm Width) Supplier Device Package	Channel Type	Unidirectional
Data Rate 2Mbps Propagation Delay tpLH / tpHL (Max) 25ns, 25ns Pulse Width Distortion (Max) 2ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 20-SSOP (0.209", 5.30mm Width) Supplier Device Package 20-SSOP	Voltage - Isolation	3750Vrms
Propagation Delay tpLH / tpHL (Max) 25ns, 25ns 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 20-SSOP (0.209", 5.30mm Width) Supplier Device Package	Common Mode Transient Immunity (Min)	25kV/μs
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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 20-SSOP (0.209° , 5.30mm Width)Supplier Device Package 20-SSOP	Propagation Delay tpLH / tpHL (Max)	25ns, 25ns
Voltage - Supply $3\ V \sim 5.5\ V$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $20\text{-SSOP}\ (0.209'', 5.30\text{mm Width})$ Supplier Device Package 20-SSOP	Pulse Width Distortion (Max)	2ns
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $20\text{-SSOP} (0.209^{\circ}, 5.30 \text{mm Width})$ Supplier Device Package 20-SSOP	Rise / Fall Time (Typ)	2.5ns, 2.5ns
Package / Case 20-SSOP (0.209", 5.30mm Width) Supplier Device Package 20-SSOP	Voltage - Supply	3 V ~ 5.5 V
Supplier Device Package 20-SSOP	Operating Temperature	-40°C ~ 125°C
	Package / Case	20-SSOP (0.209", 5.30mm Width)
Report errors?	Supplier Device Package	20-SSOP
		Report errors?

ADUM3154ARSZ 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.

ADUM3154ARSZ Payment Methods



















ADUM3154ARSZ Shipping Methods













If you have any question about ADUM3154ARSZ, please do not hesitate to contact us!

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