



ADUM1245ARSZ Information



For Reference Only

Part Number ADUM1245ARSZ
Manufacturer Analog Devices Inc.

Category Isolators

Digital Isolators

Description DGTL ISO 3.75KV GEN PURP 20SSOP

Package 20-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



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.









ADUM1245ARSZ Specifications

Manufacturer Part Number ADUM1245ARSZ Manufacturer Analog Devices Inc. Category Isolators Package 20-SSOP (0.209", 5.30mm 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 3750Vrms 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 20-SSOP (0.209", 5.30mm Width) Supplier Device Package 20-SSOP		
Category Isolators Package 20-SSOP (0.209", 5.30mm 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 3750Vrms 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 20-SSOP (0.209", 5.30mm Width) Supplier Device Package 20-SSOP	Manufacturer Part Number	ADUM1245ARSZ
Package 20-SSOP (0.209", 5.30mm 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 3750Vrms 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 20-SSOP (0.209", 5.30mm Width) Supplier Device Package 20-SSOP	Manufacturer	Analog Devices Inc.
Package 20-SSOP (0.209", 5.30mm 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 3750Vrms 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 20-SSOP (0.209", 5.30mm Width) Supplier Device Package 20-SSOP	Category	Isolators
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 3750Vrms 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 20-SSOP (0.209", 5.30mm Width) Supplier Device Package 20-SSOP		Digital Isolators
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 3750Vrms 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 20-SSOP (0.209", 5.30mm Width) Supplier Device Package 20-SSOP	Package	20-SSOP (0.209", 5.30mm Width)
TypeGeneral PurposeIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation3750VrmsCommon 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 / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Series	iCoupler?
Isolated PowerNoNumber of Channels2Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation3750VrmsCommon 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 / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Technology	Magnetic Coupling
Number of Channels2Inputs - Side 1/Side 22/0Channel TypeUnidirectionalVoltage - Isolation3750VrmsCommon 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 / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Туре	General Purpose
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) 2ns, 2ns Voltage - Supply 2.25 V ~ 3.6 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)180ns, 180nsPulse Width Distortion (Max)8nsRise / Fall Time (Typ)2ns, 2nsVoltage - Supply2.25 V ~ 3.6 VOperating Temperature-40°C ~ 125°CPackage / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Number of Channels	2
Voltage - Isolation 3750Vrms 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 20-SSOP (0.209", 5.30mm Width) Supplier Device Package 20-SSOP	Inputs - Side 1/Side 2	2/0
Common Mode Transient Immunity (Min) 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 20-SSOP (0.209", 5.30mm Width) Supplier Device Package	Channel Type	Unidirectional
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 20-SSOP (0.209", 5.30mm Width) Supplier Device Package 20-SSOP	Voltage - Isolation	3750Vrms
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 20-SSOP (0.209", 5.30mm Width) Supplier Device Package	Common Mode Transient Immunity (Min)	25kV/μs
Pulse Width Distortion (Max)8nsRise / Fall Time (Typ)2ns, 2nsVoltage - Supply2.25 V ~ 3.6 VOperating Temperature-40°C ~ 125°CPackage / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	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 20-SSOP (0.209° , 5.30mm Width)Supplier Device Package 20-SSOP	Propagation Delay tpLH / tpHL (Max)	180ns, 180ns
Voltage - Supply $2.25 \text{ V} \sim 3.6 \text{ V}$ 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)	8ns
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)	2ns, 2ns
Package / Case 20-SSOP (0.209", 5.30mm Width) Supplier Device Package 20-SSOP	Voltage - Supply	2.25 V ~ 3.6 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?

ADUM1245ARSZ 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.

ADUM1245ARSZ Payment Methods



















ADUM1245ARSZ Shipping Methods













If you have any question about ADUM1245ARSZ, please do not hesitate to contact us!

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