



## **ADUM3474WARSZ Information**



For Reference Only

**Part Number** ADUM3474WARSZ **Manufacturer** Analog Devices Inc.

**Category** Isolators

**Digital Isolators** 

**Description** DGTL ISO 2.5KV 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.









# **ADUM3474WARSZ Specifications**

Manufacturer Part Number         ADUM3474WARSZ           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         4           Inputs - Side 1/Side 2         0/4           Channel Type         Unidirectional           Voltage - Isolation         2500Vrms           Common Mode Transient Immunity (Min)         25kV/µs           Data Rate         IMbps           Propagation Delay tpLH / tpHL (Max)         100ns, 100ns           Pulse Width Distortion (Max)         40ns           Rise / Fall Time (Typ)         2.5ns, 2.5ns           Voltage - Supply         3 V ~ 3.6 V, 4.5 V ~ 5.5 V           Operating Temperature         40°C ~ 105°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         4           Inputs - Side 1/Side 2         0/4           Channel Type         Unidirectional           Voltage - Isolation         250Vrms           Common Mode Transient Immunity (Min)         25kV/µs           Data Rate         1Mbps           Propagation Delay tpLH / tpHL (Max)         100ns, 100ns           Pulse Width Distortion (Max)         40ns           Rise / Fall Time (Typ)         2.5ns, 2.5ns           Voltage - Supply         3 V ~ 3.6 V, 4.5 V ~ 5.5 V           Operating Temperature         -40°C ~ 105°C           Package / Case         20-SSOP (0.209", 5.30mm Width)           Supplier Device Package         20-SSOP	Manufacturer Part Number	ADUM3474WARSZ
Package         20-SSOP (0.209", 5.30mm Width)           Series         iCoupler?           Technology         Magnetic Coupling           Type         General Purpose           Isolated Power         No           Number of Channels         4           Inputs - Side 1/Side 2         0/4           Channel Type         Unidirectional           Voltage - Isolation         2500Vrms           Common Mode Transient Immunity (Min)         25kV/μs           Data Rate         1Mbps           Propagation Delay tpLH / tpHL (Max)         100ns, 100ns           Pulse Width Distortion (Max)         40ns           Rise / Fall Time (Typ)         2.5ns, 2.5ns           Voltage - Supply         3 V ~ 3.6 V, 4.5 V ~ 5.5 V           Operating Temperature         -40°C ~ 105°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         4           Inputs - Side 1/Side 2         0/4           Channel Type         Unidirectional           Voltage - Isolation         2500Vrms           Common Mode Transient Immunity (Min)         25kV/μs           Data Rate         1Mbps           Propagation Delay tpLH / tpHL (Max)         100ns, 100ns           Pulse Width Distortion (Max)         40ns           Rise / Fall Time (Typ)         2.5ns, 2.5ns           Voltage - Supply         3 V ~ 3.6 V, 4.5 V ~ 5.5 V           Operating Temperature         -40°C ~ 105°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         4           Inputs - Side 1/Side 2         0/4           Channel Type         Unidirectional           Voltage - Isolation         2500Vrms           Common Mode Transient Immunity (Min)         25kV/µs           Data Rate         1Mbps           Propagation Delay tpLH / tpHL (Max)         100ns, 100ns           Pulse Width Distortion (Max)         40ns           Rise / Fall Time (Typ)         2.5ns, 2.5ns           Voltage - Supply         3 V ~ 3.6 V, 4.5 V ~ 5.5 V           Operating Temperature         -40°C ~ 105°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         4           Inputs - Side 1/Side 2         0/4           Channel Type         Unidirectional           Voltage - Isolation         2500Vrms           Common Mode Transient Immunity (Min)         25kV/μs           Data Rate         1Mbps           Propagation Delay tpLH / tpHL (Max)         100ns, 100ns           Pulse Width Distortion (Max)         40ns           Rise / Fall Time (Typ)         2.5ns, 2.5ns           Voltage - Supply         3 V ~ 3.6 V, 4.5 V ~ 5.5 V           Operating Temperature         -40°C ~ 105°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 Channels4Inputs - Side 1/Side 20/4Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/µsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)100ns, 100nsPulse Width Distortion (Max)40nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply3 V ~ 3.6 V, 4.5 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Series	iCoupler?
Isolated PowerNoNumber of Channels4Inputs - Side 1/Side 20/4Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/µsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)100ns, 100nsPulse Width Distortion (Max)40nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply3 V ~ 3.6 V, 4.5 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Technology	Magnetic Coupling
Number of Channels4Inputs - Side 1/Side 20/4Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)100ns, 100nsPulse Width Distortion (Max)40nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply3 V ~ 3.6 V, 4.5 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Туре	General Purpose
Inputs - Side 1/Side 20/4Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)100ns, 100nsPulse Width Distortion (Max)40nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply3 V ~ 3.6 V, 4.5 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case20-SSOP (0.209", 5.30mm Width)Supplier Device Package20-SSOP	Isolated Power	No
Channel TypeUnidirectionalVoltage - Isolation $2500 \text{Vrms}$ Common Mode Transient Immunity (Min) $25kV/\mu s$ Data Rate $1Mbps$ Propagation Delay tpLH / tpHL (Max) $100ns, 100ns$ Pulse Width Distortion (Max) $40ns$ Rise / Fall Time (Typ) $2.5ns, 2.5ns$ Voltage - Supply $3 V \sim 3.6 V, 4.5 V \sim 5.5 V$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $20\text{-SSOP}$ (0.209", $5.30\text{mm}$ Width)Supplier Device Package $20\text{-SSOP}$	Number of Channels	4
Voltage - Isolation 2500Vrms  Common Mode Transient Immunity (Min) 25kV/ $\mu$ s  Data Rate 1Mbps  Propagation Delay tpLH / tpHL (Max) 100ns, 100ns  Pulse Width Distortion (Max) 40ns  Rise / Fall Time (Typ) 2.5ns, 2.5ns  Voltage - Supply 3 V ~ 3.6 V, 4.5 V ~ 5.5 V  Operating Temperature -40°C ~ 105°C  Package / Case 20-SSOP (0.209", 5.30mm Width)  Supplier Device Package 20-SSOP	Inputs - Side 1/Side 2	0/4
Common Mode Transient Immunity (Min)  Data Rate  1Mbps  Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  2.5ns, 2.5ns  Voltage - Supply  3 V ~ 3.6 V, 4.5 V ~ 5.5 V  Operating Temperature  -40°C ~ 105°C  Package / Case  20-SSOP (0.209", 5.30mm Width)  Supplier Device Package	Channel Type	Unidirectional
Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) 100ns, 100ns Pulse Width Distortion (Max) 40ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 3 V ~ 3.6 V, 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 20-SSOP (0.209", 5.30mm Width) Supplier Device Package 20-SSOP	Voltage - Isolation	2500Vrms
Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  2.5ns, 2.5ns  Voltage - Supply  3 V ~ 3.6 V, 4.5 V ~ 5.5 V  Operating Temperature  -40°C ~ 105°C  Package / Case  20-SSOP (0.209", 5.30mm Width)  Supplier Device Package	Common Mode Transient Immunity (Min)	$25kV/\mu s$
Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  2.5ns, 2.5ns  Voltage - Supply  3 V ~ 3.6 V, 4.5 V ~ 5.5 V  Operating Temperature  -40°C ~ 105°C  Package / Case  20-SSOP (0.209", 5.30mm Width)  Supplier Device Package	Data Rate	1Mbps
Rise / Fall Time (Typ) $2.5 \text{ns}, 2.5 \text{ns}$ Voltage - Supply $3 \text{ V} \sim 3.6 \text{ V}, 4.5 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $20\text{-SSOP}$ ( $0.209^{\circ}$ , $5.30 \text{mm}$ Width)Supplier Device Package $20\text{-SSOP}$	Propagation Delay tpLH / tpHL (Max)	100ns, 100ns
Voltage - Supply $3\ V \sim 3.6\ V, 4.5\ V \sim 5.5\ V$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $20\text{-SSOP}\ (0.209'', 5.30\text{mm Width})$ Supplier Device Package $20\text{-SSOP}$	Pulse Width Distortion (Max)	40ns
Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $20\text{-SSOP} (0.209^{\circ}, 5.30 \text{mm Width})$ Supplier Device Package $20\text{-SSOP}$	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 ~ 3.6 V, 4.5 V ~ 5.5 V
Supplier Device Package 20-SSOP	Operating Temperature	-40°C ~ 105°C
	Package / Case	20-SSOP (0.209", 5.30mm Width)
Report errors?	Supplier Device Package	20-SSOP
		Report errors?

### **ADUM3474WARSZ 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.

### **ADUM3474WARSZ Payment Methods**



















## **ADUM3474WARSZ Shipping Methods**













If you have any question about ADUM3474WARSZ, please do not hesitate to contact us!

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