

# ADUM226N0WBRIZ

### **ADUM226N0WBRIZ Information**



For Reference Only

Part Number ADUM226N0WBRIZ

Manufacturer Analog Devices Inc.

**Category** Isolators

**Digital Isolators** 

**Description** DGTL ISO 5KV 2CH GEN PURP 8SOIC

**Package** 8-SOIC (0.295", 7.50mm 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.









## **ADUM226N0WBRIZ Specifications**

Manufacturer Part Number         ADUM226NOWBRIZ           Manufacturer         Analog Devices Inc.           Category         Isolators           Package         8-SOIC (0.295", 7.50mm 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         5000Vrms           Common Mode Transient Immunity (Min)         75kV/µs           Data Rate         150Mbps           Propagation Delay tpLH / tpHL (Max)         13ns, 13ns           Pulse Width Distortion (Max)         3ns           Rise / Fall Time (Typ)         2.5ns, 2.5ns           Voltage - Supply         1.7 V ~ 5.5 V           Operating Temperature         -40°C ~ 125°C           Package / Case         8-SOIC (0.295", 7.50mm Width)           Supplier Device Package         8-SOIC-IC		
Category         Isolators           Package         8-SOIC (0.295", 7.50mm 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         5000Vrms           Common Mode Transient Immunity (Min)         75kV/μs           Data Rate         150Mbps           Propagation Delay tpLH / tpHL (Max)         13ns, 13ns           Pulse Width Distortion (Max)         3ns           Rise / Fall Time (Typ)         2.5ns, 2.5ns           Voltage - Supply         1.7 V ~ 5.5 V           Operating Temperature         40°C ~ 125°C           Package / Case         8-SOIC (0.295", 7.50mm Width)           Supplier Device Package         8-SOIC-IC	Manufacturer Part Number	ADUM226N0WBRIZ
Package         8-SOIC (0.295", 7.50mm 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         5000Vrms           Common Mode Transient Immunity (Min)         75kV/μs           Data Rate         150Mbps           Propagation Delay tpLH / tpHL (Max)         13ns, 13ns           Pulse Width Distortion (Max)         3ns           Rise / Fall Time (Typ)         2.5ns, 2.5ns           Voltage - Supply         1.7 V ~ 5.5 V           Operating Temperature         40°C ~ 125°C           Package / Case         8-SOIC (0.295", 7.50mm Width)           Supplier Device Package         8-SOIC-IC	Manufacturer	Analog Devices Inc.
Package         8-SOIC (0.295", 7.50mm 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         5000Vrms           Common Mode Transient Immunity (Min)         75kV/µs           Data Rate         150Mbps           Propagation Delay tpLH / tpHL (Max)         13ns, 13ns           Pulse Width Distortion (Max)         3ns           Rise / Fall Time (Typ)         2.5ns, 2.5ns           Voltage - Supply         1.7 V ~ 5.5 V           Operating Temperature         -40°C ~ 125°C           Package / Case         8-SOIC (0.295", 7.50mm Width)           Supplier Device Package         8-SOIC-IC	Category	Isolators
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         5000Vrms           Common Mode Transient Immunity (Min)         75kV/μs           Data Rate         150Mbps           Propagation Delay tpLH / tpHL (Max)         13ns, 13ns           Pulse Width Distortion (Max)         3ns           Rise / Fall Time (Typ)         2.5ns, 2.5ns           Voltage - Supply         1.7 V ~ 5.5 V           Operating Temperature         -40°C ~ 125°C           Package / Case         8-SOIC (0.295", 7.50mm Width)           Supplier Device Package         8-SOIC-IC		Digital Isolators
TechnologyMagnetic CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 2 $1/1$ Channel TypeUnidirectionalVoltage - Isolation $5000Vrms$ Common Mode Transient Immunity (Min) $75kV/\mu s$ Data Rate $150Mbps$ Propagation Delay tpLH / tpHL (Max) $13ns, 13ns$ Pulse Width Distortion (Max) $3ns$ Rise / Fall Time (Typ) $2.5ns, 2.5ns$ Voltage - Supply $1.7 V \sim 5.5 V$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Package / Case $8-SOIC (0.295^{\circ}, 7.50mm Width)$ Supplier Device Package $8-SOIC-IC$	Package	8-SOIC (0.295", 7.50mm Width)
TypeGeneral PurposeIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 21/1Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)75kV/µsData Rate150MbpsPropagation Delay tpLH / tpHL (Max)13ns, 13nsPulse Width Distortion (Max)3nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply1.7 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-SOIC-IC	Series	iCoupler?
Isolated PowerNoNumber of Channels2Inputs - Side 1/Side 2 $1/1$ Channel TypeUnidirectionalVoltage - Isolation $5000Vrms$ Common Mode Transient Immunity (Min) $75kV/\mu s$ Data Rate $150Mbps$ Propagation Delay tpLH / tpHL (Max) $13ns, 13ns$ Pulse Width Distortion (Max) $3ns$ Rise / Fall Time (Typ) $2.5ns, 2.5ns$ Voltage - Supply $1.7 V \sim 5.5 V$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Package / Case $8-SOIC (0.295^{\circ}, 7.50mm Width)$ Supplier Device Package $8-SOIC-IC$	Technology	Magnetic Coupling
Number of Channels2Inputs - Side 1/Side 21/1Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)75kV/μsData Rate150MbpsPropagation Delay tpLH / tpHL (Max)13ns, 13nsPulse Width Distortion (Max)3nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply1.7 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-SOIC-IC	Type	General Purpose
Inputs - Side 1/Side 21/1Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)75kV/μsData Rate150MbpsPropagation Delay tpLH / tpHL (Max)13ns, 13nsPulse Width Distortion (Max)3nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply1.7 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-SOIC-IC	Isolated Power	No
Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)75kV/μsData Rate150MbpsPropagation Delay tpLH / tpHL (Max)13ns, 13nsPulse Width Distortion (Max)3nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply1.7 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.295", 7.50mm Width)Supplier Device Package8-SOIC-IC	Number of Channels	2
Voltage - Isolation  5000Vrms  Common Mode Transient Immunity (Min)  75kV/μs  Data Rate  150Mbps  Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  2.5ns, 2.5ns  Voltage - Supply  1.7 V ~ 5.5 V  Operating Temperature  Package / Case  8-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Inputs - Side 1/Side 2	1/1
Common Mode Transient Immunity (Min) 75kV/ $\mu$ s  Data Rate 150Mbps  Propagation Delay tpLH / tpHL (Max) 13ns, 13ns  Pulse Width Distortion (Max) 3ns  Rise / Fall Time (Typ) 2.5ns, 2.5ns  Voltage - Supply 1.7 V ~ 5.5 V  Operating Temperature -40°C ~ 125°C  Package / Case 8-SOIC (0.295", 7.50mm Width)  Supplier Device Package 8-SOIC-IC	Channel Type	Unidirectional
Data Rate 150Mbps  Propagation Delay tpLH / tpHL (Max) 13ns, 13ns  Pulse Width Distortion (Max) 3ns  Rise / Fall Time (Typ) 2.5ns, 2.5ns  Voltage - Supply 1.7 V ~ 5.5 V  Operating Temperature -40°C ~ 125°C  Package / Case 8-SOIC (0.295", 7.50mm Width)  Supplier Device Package 8-SOIC-IC	Voltage - Isolation	5000Vrms
Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  2.5ns, 2.5ns  Voltage - Supply  1.7 V ~ 5.5 V  Operating Temperature  -40°C ~ 125°C  Package / Case  8-SOIC (0.295", 7.50mm Width)  Supplier Device Package  8-SOIC-IC	Common Mode Transient Immunity (Min)	75kV/μs
Pulse Width Distortion (Max) $3ns$ Rise / Fall Time (Typ) $2.5ns, 2.5ns$ Voltage - Supply $1.7 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $8\text{-SOIC}$ ( $0.295^{\circ}$ , $7.50\text{mm}$ Width)Supplier Device Package $8\text{-SOIC-IC}$	Data Rate	150Mbps
Rise / Fall Time (Typ) $2.5 \text{ns}, 2.5 \text{ns}$ Voltage - Supply $1.7 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $8\text{-SOIC}$ ( $0.295^{\circ}$ , $7.50 \text{mm}$ Width)Supplier Device Package $8\text{-SOIC-IC}$	Propagation Delay tpLH / tpHL (Max)	13ns, 13ns
Voltage - Supply $1.7 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $8\text{-SOIC (0.295'', 7.50mm Width)}$ Supplier Device Package $8\text{-SOIC-IC}$	Pulse Width Distortion (Max)	3ns
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Supplier Device Package $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ 8-SOIC (0.295", 7.50mm Width) $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Rise / Fall Time (Typ)	2.5ns, 2.5ns
Package / Case 8-SOIC (0.295", 7.50mm Width) Supplier Device Package 8-SOIC-IC	Voltage - Supply	1.7 V ~ 5.5 V
Supplier Device Package 8-SOIC-IC	Operating Temperature	-40°C ~ 125°C
	Package / Case	8-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	8-SOIC-IC
		Report errors?

#### **ADUM226N0WBRIZ 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.

### **ADUM226N0WBRIZ Payment Methods**





















### **ADUM226N0WBRIZ Shipping Methods**













If you have any question about ADUM226N0WBRIZ, please do not hesitate to contact us!

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