



### **ISO3082DWRG4 Information**



For Reference Only

Part Number ISO3082DWRG4
Manufacturer Texas Instruments

**Category** Isolators

**Digital Isolators** 

**Description** DG ISO 2.5KV RS422/RS485 16SOIC **Package** 16-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



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# **Certified Quality**

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# ISO3082DWRG4 Specifications

Manufacturer Part Number         ISO3082DWRG4           Manufacturer         Texas Instruments           Category         Isolators           Package         16-SOIC (0.295", 7.50mm Width)           Series         -           Technology         Capacitive Coupling           Type         RS422, RS485           Isolated Power         No           Number of Channels         3           Inputs - Side 1/Side 2         2/1           Channel Type         Unidirectional           Voltage - Isolation         2500Vrms           Common Mode Transient Immunity (Min)         25kV/µs           Data Rate         200kbps           Propagation Delay tpLH / tpHL (Max)         -           Pulse Width Distortion (Max)         -           Rise / Fall Time (Typ)         -           Voltage - Supply         3.15 V ~ 5.5 V, 4.5 V ~ 5.5 V           Operating Temperature         40°C ~ 85°C           Package / Case         16-SOIC (0.295", 7.50mm Width)           Supplier Device Package         16-SOIC		
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Technology         Capacitive Coupling           Type         RS422, RS485           Isolated Power         No           Number of Channels         3           Inputs - Side 1/Side 2         2/1           Channel Type         Unidirectional           Voltage - Isolation         2500Vrms           Common Mode Transient Immunity (Min)         25kV/μs           Data Rate         200kbps           Propagation Delay tpLH / tpHL (Max)         -           Pulse Width Distortion (Max)         -           Rise / Fall Time (Typ)         -           Voltage - Supply         3.15 V ~ 5.5 V, 4.5 V ~ 5.5 V           Operating Temperature         -40°C ~ 85°C           Package / Case         16-SOIC (0.295", 7.50mm Width)           Supplier Device Package         16-SOIC	Package	16-SOIC (0.295", 7.50mm Width)
Type         RS422, RS485           Isolated Power         No           Number of Channels         3           Inputs - Side 1/Side 2         2/1           Channel Type         Unidirectional           Voltage - Isolation         2500Vrms           Common Mode Transient Immunity (Min)         25kV/µs           Data Rate         200kbps           Propagation Delay tpLH / tpHL (Max)         -           Pulse Width Distortion (Max)         -           Rise / Fall Time (Typ)         -           Voltage - Supply         3.15 V ~ 5.5 V, 4.5 V ~ 5.5 V           Operating Temperature         -40°C ~ 85°C           Package / Case         16-SOIC (0.295", 7.50mm Width)           Supplier Device Package         16-SOIC	Series	-
Isolated PowerNoNumber of Channels3Inputs - Side 1/Side 22/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate200kbpsPropagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)-Voltage - Supply3.15 V ~ 5.5 V, 4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Technology	Capacitive Coupling
Number of Channels Inputs - Side 1/Side 2 2/1 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 25kV/µs Data Rate 200kbps Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) Rise / Fall Time (Typ) - Voltage - Supply Operating Temperature -40°C ~ 85°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Туре	RS422, RS485
Inputs - Side 1/Side 22/1Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)25kV/μsData Rate200kbpsPropagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)-Voltage - Supply3.15 V ~ 5.5 V, 4.5 V ~ 5.5 VOperating Temperature-40°C ~ 85°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Isolated Power	No
Channel Type  Voltage - Isolation  2500Vrms  Common Mode Transient Immunity (Min)  Data Rate  200kbps  Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  Voltage - Supply  3.15 V ~ 5.5 V, 4.5 V ~ 5.5 V  Operating Temperature  Package / Case  16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Number of Channels	3
Voltage - Isolation 2500Vrms  Common Mode Transient Immunity (Min) 25kV/ $\mu$ s  Data Rate 200kbps  Propagation Delay tpLH / tpHL (Max) -  Pulse Width Distortion (Max) -  Rise / Fall Time (Typ) -  Voltage - Supply 3.15 V ~ 5.5 V, 4.5 V ~ 5.5 V  Operating Temperature -40°C ~ 85°C  Package / Case 16-SOIC (0.295", 7.50mm Width)  Supplier Device Package 16-SOIC	Inputs - Side 1/Side 2	2/1
Common Mode Transient Immunity (Min)  Data Rate  200kbps  Propagation Delay tpLH / tpHL (Max)  - Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  - Voltage - Supply  Operating Temperature  Package / Case  16-SOIC (0.295", 7.50mm Width)  16-SOIC	Channel Type	Unidirectional
Data Rate 200kbps  Propagation Delay tpLH / tpHL (Max) -  Pulse Width Distortion (Max) -  Rise / Fall Time (Typ) -  Voltage - Supply 3.15 V ~ 5.5 V, 4.5 V ~ 5.5 V  Operating Temperature -40°C ~ 85°C  Package / Case 16-SOIC (0.295", 7.50mm Width)  Supplier Device Package 16-SOIC	Voltage - Isolation	2500Vrms
Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  Voltage - Supply  Operating Temperature  Package / Case  16-SOIC (0.295", 7.50mm Width)  16-SOIC	Common Mode Transient Immunity (Min)	25kV/μs
Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  Voltage - Supply  Operating Temperature  Package / Case  16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Data Rate	200kbps
Rise / Fall Time (Typ)-Voltage - Supply $3.15 \text{ V} \sim 5.5 \text{ V}, 4.5 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $16\text{-SOIC}$ (0.295", 7.50mm Width)Supplier Device Package $16\text{-SOIC}$	Propagation Delay tpLH / tpHL (Max)	-
Voltage - Supply $3.15 \text{ V} \sim 5.5 \text{ V}, 4.5 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $16\text{-SOIC} (0.295'', 7.50 \text{mm Width})$ Supplier Device Package $16\text{-SOIC}$	Pulse Width Distortion (Max)	-
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $16\text{-SOIC} (0.295^{\circ}, 7.50 \text{mm Width})$ Supplier Device Package $16\text{-SOIC}$	Rise / Fall Time (Typ)	-
Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Voltage - Supply	3.15 V ~ 5.5 V, 4.5 V ~ 5.5 V
Supplier Device Package 16-SOIC	Operating Temperature	-40°C ~ 85°C
	Package / Case	16-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

### ISO3082DWRG4 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.

# ISO3082DWRG4 Payment Methods



















### ISO3082DWRG4 Shipping Methods













If you have any question about ISO3082DWRG4, please do not hesitate to contact us!

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