



### MAX14937AWE+T Information



For Reference Only

**Part Number** MAX14937AWE+T **Manufacturer** Maxim Integrated

**Category** Isolators

**Digital Isolators** 

**Description** DGTL ISO 5KV 2CH 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**

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.









## **MAX14937AWE+T Specifications**

Manufacturer Part Number         MAX14937AWE+T           Manufacturer         Maxim Integrated           Category         Isolators           Package         16-SOIC (0.295", 7.50mm Width)           Series         -           Technology         Capacitive Coupling           Type         12C           Isolated Power         No           Number of Channels         2           Inputs - Side 1/Side 2         2/2           Channel Type         Bidirectional           Voltage - Isolation         5000Vrms           Common Mode Transient Immunity (Min)         25kV/µs (Typ)           Data Rate         -           Propagation Delay tpLH / tpHL (Max)         -           Pulse Width Distortion (Max)         65ns, 95ns           Rise / Fall Time (Typ)         -           Voltage - Supply         2.25 V ~ 5.5 V           Operating Temperature         40°C ~ 125°C           Package / Case         16-SOIC (0.295", 7.50mm Width)           Supplier Device Package         16-SOIC		
Category         Isolators           Package         16-SOIC (0.295", 7.50mm Width)           Series         -           Technology         Capacitive Coupling           Type         I2C           Isolated Power         No           Number of Channels         2           Inputs - Side 1/Side 2         2/2           Channel Type         Bidirectional           Voltage - Isolation         5000Vrms           Common Mode Transient Immunity (Min)         25kV/µs (Typ)           Data Rate         -           Propagation Delay tpLH / tpHL (Max)         -           Pulse Width Distortion (Max)         65ns, 95ns           Rise / Fall Time (Typ)         -           Voltage - Supply         2.25 V ~ 5.5 V           Operating Temperature         -40°C ~ 125°C           Package / Case         16-SOIC (0.295", 7.50mm Width)           Supplier Device Package         16-SOIC	Manufacturer Part Number	MAX14937AWE+T
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Type I2C Isolated Power No Number of Channels 2 Inputs - Side 1/Side 2 2/2 Channel Type Bidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/µs (Typ) Data Rate - Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) 65ns, 95ns Rise / Fall Time (Typ) - Voltage - Supply 2.25 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Series	-
Isolated Power  Number of Channels  Inputs - Side 1/Side 2  Channel Type  Bidirectional  Voltage - Isolation  Common Mode Transient Immunity (Min)  Data Rate  Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  Voltage - Supply  Operating Temperature  Package / Case  16-SOIC  No  Bidirectional  2/2  Bidirectional  2/5kV/µs (Typ)  Bidirectional  5000Vrms  - Common Mode Transient Immunity (Min)  25kV/µs (Typ)  - Common Mode Transient Immunity (Min)  25kV/µs (Typ)	Technology	Capacitive Coupling
Number of Channels2Inputs - Side 1/Side 22/2Channel TypeBidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)25kV/μs (Typ)Data Rate-Propagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)65ns, 95nsRise / Fall Time (Typ)-Voltage - Supply2.25 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Type	I2C
Inputs - Side 1/Side 2  Channel Type  Bidirectional  Voltage - Isolation  5000Vrms  Common Mode Transient Immunity (Min)  Data Rate  - Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  Voltage - Supply  Operating Temperature  -40°C ~ 125°C  Package / Case  Supplier Device Package  16-SOIC	Isolated Power	No
Channel Type  Voltage - Isolation  5000Vrms  Common Mode Transient Immunity (Min)  Data Rate  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)  Supplier Device Package	Number of Channels	2
Voltage - Isolation 5000Vrms  Common Mode Transient Immunity (Min) 25kV/μs (Typ)  Data Rate	Inputs - Side 1/Side 2	2/2
Common Mode Transient Immunity (Min)  Data Rate  - 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	Bidirectional
Data Rate - Propagation Delay tpLH / tpHL (Max) - Pulse Width Distortion (Max) 65ns, 95ns  Rise / Fall Time (Typ) - Voltage - Supply 2.25 V ~ 5.5 V  Operating Temperature -40°C ~ 125°C  Package / Case 16-SOIC (0.295", 7.50mm Width)  Supplier Device Package 16-SOIC	Voltage - Isolation	5000Vrms
Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  Voltage - Supply  Coperating Temperature  Package / Case  16-SOIC (0.295", 7.50mm Width)  16-SOIC	Common Mode Transient Immunity (Min)	25kV/µs (Typ)
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	-
Rise / Fall Time (Typ)-Voltage - Supply $2.25 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $16\text{-SOIC}$ ( $0.295^{\circ}$ , $7.50\text{mm}$ Width)Supplier Device Package $16\text{-SOIC}$	Propagation Delay tpLH / tpHL (Max)	-
Voltage - Supply $2.25 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $16\text{-SOIC} (0.295'', 7.50 \text{mm Width})$ Supplier Device Package $16\text{-SOIC}$	Pulse Width Distortion (Max)	65ns, 95ns
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $16\text{-SOIC}$ (0.295", 7.50mm 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	2.25 V ~ 5.5 V
Supplier Device Package 16-SOIC	Operating Temperature	-40°C ~ 125°C
	Package / Case	16-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

#### MAX14937AWE+T 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.

### MAX14937AWE+T Payment Methods



















## MAX14937AWE+T Shipping Methods













If you have any question about MAX14937AWE+T, please do not hesitate to contact us!

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