



MAX14936BAWE+ Information



For Reference Only

Part Number MAX14936BAWE+ **Manufacturer** Maxim Integrated

Category Isolators

Digital Isolators

Description DGTL ISO 5KV 4CH GEN PURP 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



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.









MAX14936BAWE+ Specifications

| Manufacturer Part Number MAX14936BAWE+ Manufacturer Maxim Integrated Category Isolators Package 16-SOIC (0.295", 7.50mm Width) Series - Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 2/2 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/µs (Typ) Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 27.5ns, 28.8ns Pulse Width Distortion (Max) 2.6ns Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 1.71 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 General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 2/2 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/µs (Typ) Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 27.5ns, 28.8ns Pulse Width Distortion (Max) 2.6ns Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 1.71 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 | MAX14936BAWE+ |
| Package Digital Isolators Package 16-SOIC (0.295", 7.50mm Width) Series - Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 2/2 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/µs (Typ) Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 27.5ns, 28.8ns Pulse Width Distortion (Max) 2.6ns Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 1.71 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 | Maxim Integrated |
| Package 16-SOIC (0.295", 7.50mm Width) Series - Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 2/2 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/μs (Typ) Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 27.5ns, 28.8ns Pulse Width Distortion (Max) 2.6ns Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 1.71 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 |
| Series - Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 2/2 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/µs (Typ) Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 27.5ns, 28.8ns Pulse Width Distortion (Max) 2.6ns Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 1.71 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC | | Digital Isolators |
| Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 2/2 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/μs (Typ) Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 27.5ns, 28.8ns Pulse Width Distortion (Max) 2.6ns Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 1.71 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC | Package | 16-SOIC (0.295", 7.50mm Width) |
| Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 2/2 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/µs (Typ) Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 27.5ns, 28.8ns Pulse Width Distortion (Max) 2.6ns Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 1.71 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package | Series | - |
| Isolated PowerNoNumber of Channels4Inputs - Side 1/Side 2 $2/2$ Channel TypeUnidirectionalVoltage - Isolation $5000Vrms$ Common Mode Transient Immunity (Min) $25kV/\mu s$ (Typ)Data Rate $25Mbps$ Propagation Delay tpLH / tpHL (Max) $27.5ns$, $28.8ns$ Pulse Width Distortion (Max) $2.6ns$ Rise / Fall Time (Typ) $2ns$, $2ns$ Voltage - Supply $1.71 V \sim 5.5 V$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Package / Case $16-SOIC$ (0.295° , $7.50mm$ Width)Supplier Device Package $16-SOIC$ | Technology | Capacitive Coupling |
| Number of Channels4Inputs - Side 1/Side 22/2Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)25kV/μs (Typ)Data Rate25MbpsPropagation Delay tpLH / tpHL (Max)27.5ns, 28.8nsPulse Width Distortion (Max)2.6nsRise / Fall Time (Typ)2ns, 2nsVoltage - Supply1.71 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC | Type | General Purpose |
| Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation Somovrms Common Mode Transient Immunity (Min) Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature -40°C ~ 125°C Package / Case Side 1/Side 2 Unidirectional Supolier Device Package Unidirectional Lind 18 Voltage - Supoly 25kV/µs (Typ) 25kV/µs (Typ) 27.5ns, 28.8ns 27.5ns, 28.8ns 27.5ns, 28.8ns 17.1 V ~ 5.5 V 28 18 18 18 19 19 10 10 10 10 10 10 10 10 | Isolated Power | No |
| Channel Type Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply 1.71 V ~ 5.5 V Operating Temperature Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package | Number of Channels | 4 |
| Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 25kV/µs (Typ) Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 27.5ns, 28.8ns Pulse Width Distortion (Max) 2.6ns Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 1.71 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC | Inputs - Side 1/Side 2 | 2/2 |
| Common Mode Transient Immunity (Min) Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 27.5ns, 28.8ns Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 1.71 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package | Channel Type | Unidirectional |
| Data Rate 25Mbps Propagation Delay tpLH / tpHL (Max) 27.5ns, 28.8ns Pulse Width Distortion (Max) 2.6ns Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 1.71 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) 27.5ns, 28.8ns Pulse Width Distortion (Max) 2.6ns Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 1.71 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC | Common Mode Transient Immunity (Min) | 25kV/µs (Typ) |
| Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2ns, 2ns Voltage - Supply 1.71 V ~ 5.5 V Operating Temperature Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package | Data Rate | 25Mbps |
| Rise / Fall Time (Typ) $2ns, 2ns$ Voltage - Supply $1.71 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 16-SOIC (0.295° , 7.50mm Width)Supplier Device Package 16-SOIC | Propagation Delay tpLH / tpHL (Max) | 27.5ns, 28.8ns |
| Voltage - Supply $1.71 \text{ V} \sim 5.5 \text{ V}$ 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-SOIC | Pulse Width Distortion (Max) | 2.6ns |
| Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC | Rise / Fall Time (Typ) | 2ns, 2ns |
| Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC | Voltage - Supply | 1.71 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? |

MAX14936BAWE+ 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.

MAX14936BAWE+ Payment Methods





















MAX14936BAWE+ Shipping Methods













If you have any question about MAX14936BAWE+, please do not hesitate to contact us!

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