



MAX14942GWE+ Information



For Reference Only

Part Number MAX14942GWE+
Manufacturer Maxim Integrated

Category Isolators

Digital Isolators

Description DGTL ISO 5KV 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.









MAX14942GWE+ Specifications

Manufacturer Part Number MAX14942GWE+ Manufacturer Maxim Integrated Category Isolators Package 16-SOIC (0.295", 7.50mm Width) Series - Technology Capacitive Coupling Type RS485 Isolated Power No Number of Channels 3 Inputs - Side 1/Side 2 2/1 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 35kV/µs (Typ) Data Rate 20Mbps Propagation Delay tpLH / tpHL (Max) 68ns, 68ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 15ns, 15ns (Max) Voltage - Supply 1.71 V ~ 5.5 V, 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC (0.295", 7.50mm Width)		
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Number of Channels3Inputs - Side 1/Side 22/1Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)35kV/μs (Typ)Data Rate20MbpsPropagation Delay tpLH / tpHL (Max)68ns, 68nsPulse Width Distortion (Max)-Rise / Fall Time (Typ)15ns, 15ns (Max)Voltage - Supply1.71 V ~ 5.5 V, 4.5 V ~ 5.5 VOperating Temperature-40°C ~ 105°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Туре	RS485
Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation Somovrms Common Mode Transient Immunity (Min) Data Rate 20Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 15ns, 15ns (Max) Voltage - Supply 1.71 V ~ 5.5 V, 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Isolated Power	No
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Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 35kV/ μ s (Typ) Data Rate 20Mbps Propagation Delay tpLH / tpHL (Max) 68ns, 68ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 15ns, 15ns (Max) Voltage - Supply 1.71 V ~ 5.5 V, 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 105°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 20Mbps Propagation Delay tpLH / tpHL (Max) 68ns, 68ns Pulse Width Distortion (Max) - Rise / Fall Time (Typ) 15ns, 15ns (Max) Voltage - Supply 1.71 V ~ 5.5 V, 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 105°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Channel Type	Unidirectional
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Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Rise / Fall Time (Typ)	15ns, 15ns (Max)
Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Voltage - Supply	1.71 V ~ 5.5 V, 4.5 V ~ 5.5 V
Supplier Device Package 16-SOIC	Operating Temperature	-40°C ~ 105°C
	Package / Case	16-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

MAX14942GWE+ 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.

MAX14942GWE+ Payment Methods



















MAX14942GWE+ Shipping Methods













If you have any question about MAX14942GWE+, please do not hesitate to contact us!

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