



HCPL-901J-500E Information



For Reference Only

Part Number HCPL-901J-500E Manufacturer Broadcom Limited

Category Isolators

Digital Isolators

Description DGTL ISO 2.5KV 4CH GEN PURP 16SO

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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HCPL-901J-500E Specifications

Manufacturer Part Number HCPL-901J-500E Manufacturer Broadcom Limited Category Isolators Package 16-SOIC (0.295", 7.50mm Width) Series - Technology GMR (Giant Magnetoresistive) Type General Purpose Isolated Power No Number of Channels 4 Inputs - Side 1/Side 2 2/2 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 15kV/µs Data Rate 110MBd Propagation Delay tpLH / tpHL (Max) 15ns, 15ns Pulse Width Distortion (Max) 3ns Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC (0.295", 7.50mm Width)		
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Series-TechnologyGMR (Giant Magnetoresistive)TypeGeneral PurposeIsolated PowerNoNumber of Channels4Inputs - Side 1/Side 22/2Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)15kV/µsData Rate110MBdPropagation Delay tpLH / tpHL (Max)15ns, 15nsPulse Width Distortion (Max)3nsRise / Fall Time (Typ)Ins, 1nsVoltage - Supply3 V ~ 5.5 VOperating Temperature-55°C ~ 125°CPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SO W		Digital Isolators
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Isolated Power Number of Channels Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation Common Mode Transient Immunity (Min) Data Rate 110MBd Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Technology	GMR (Giant Magnetoresistive)
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Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) Data Rate 110MBd Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Isolated Power	No
Channel Type Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) Data Rate 110MBd Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply 3 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Number of Channels	4
Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) Data Rate 110MBd 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	Inputs - Side 1/Side 2	2/2
Common Mode Transient Immunity (Min) Data Rate 110MBd Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Channel Type	Unidirectional
Data Rate 110MBd Propagation Delay tpLH / tpHL (Max) 15ns, 15ns Pulse Width Distortion (Max) 3ns Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SO W	Voltage - Isolation	2500Vrms
Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package	Common Mode Transient Immunity (Min)	15kV/μs
Pulse Width Distortion (Max) Rise / Fall Time (Typ) 1ns, 1ns Voltage - Supply 3 V ~ 5.5 V Operating Temperature Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SO W	Data Rate	110MBd
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Voltage - Supply $3 \text{ V} \sim 5.5 \text{ V}$ Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SO W	Pulse Width Distortion (Max)	3ns
Operating Temperature -55°C ~ 125°C Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SO W	Rise / Fall Time (Typ)	1ns, 1ns
Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SO W	Voltage - Supply	3 V ~ 5.5 V
Supplier Device Package 16-SO W	Operating Temperature	-55°C ~ 125°C
	Package / Case	16-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	16-SO W
		Report errors?

HCPL-901J-500E 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.

HCPL-901J-500E Payment Methods





















HCPL-901J-500E Shipping Methods













If you have any question about HCPL-901J-500E, please do not hesitate to contact us!

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