



SI8442BA-D-IS1R Information

Part Number SI8442BA-D-IS1R

Manufacturer Silicon Labs

Category Isolators
Digital Isolators

Description DGTL ISO 1KV 4CH GEN PURP 16SOIC

Package 16-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

For Reference Only

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.









SI8442BA-D-IS1R Specifications

Manufacturer Part Number Manufacturer Category Isolators Digital Isolators Package 16-SOIC (0.154", 3.90mm Width) Series Automotive, AEC-Q100 Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels Inputs - Side 1/Side 2 Channel Type Voltage - Isolation Common Mode Transient Immunity (Min) Data Rate Propagation Delay tpLH / tpHL (Max) Propagation Delay tpLH / tpHL (Max)
Category Isolators Digital Isolators Package 16-SOIC (0.154", 3.90mm Width) Series Automotive, AEC-Q100 Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation Common Mode Transient Immunity (Min) Data Rate Propagation Delay tpLH / tpHL (Max) Isolators Automotive, 3.90mm Width) Capacitive Coupling Capacitive Coupling Unidirectional 4 Unidirectional 1000Vrms 25kV/µs (Typ) Data Rate Propagation Delay tpLH / tpHL (Max) 9.5ns, 9.5ns
Package 16-SOIC (0.154", 3.90mm Width) Series Automotive, AEC-Q100 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 1000Vrms Common Mode Transient Immunity (Min) 25kV/µs (Typ) Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 9.5ns, 9.5ns
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Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 9.5ns, 9.5ns
Propagation Delay tpLH / tpHL (Max) 9.5ns, 9.5ns
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Pulse Width Distortion (Max) 2.5ns
Rise / Fall Time (Typ) 3.8ns, 2.8ns
Voltage - Supply $2.7 \text{ V} \sim 5.5 \text{ V}$
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$
Package / Case 16-SOIC (0.154", 3.90mm Width)
Supplier Device Package 16-SOIC
Report error

SI8442BA-D-IS1R 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.

SI8442BA-D-IS1R Payment Methods



















SI8442BA-D-IS1R Shipping Methods













If you have any question about SI8442BA-D-IS1R, please do not hesitate to contact us!

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