



SI8455BA-B-IUR Information



For Reference Only

Part NumberSI8455BA-B-IURManufacturerSilicon LabsCategoryIsolators

Digital Isolators

Description DGTL ISO 1KV 5CH GEN PURP 16QSOP

Package 16-SSOP (0.154", 3.90mm 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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SI8455BA-B-IUR Specifications

Manufacturer Part Number \$18455BA-B-IUR Manufacturer \$11icon Labs Category Isolators Package 16-SSOP (0.154", 3.90mm Width) Series - Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 5 Inputs - Side 1/Side 2 5/0 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 Pulse Width Distortion (Max) 2.5ns Rise / Fall Time (Typ) 3.8ns, 2.8ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature 40°C ~ 125°C Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package 16-QSOP		
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Channel Type Voltage - Isolation 1000Vrms Common Mode Transient Immunity (Min) Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package	Number of Channels	5
Voltage - Isolation 1000Vrms Common Mode Transient Immunity (Min) 25kV/ μ s (Typ) Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 9.5ns, 9.5ns Pulse Width Distortion (Max) 2.5ns Rise / Fall Time (Typ) 3.8ns, 2.8ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package 16-QSOP	Inputs - Side 1/Side 2	5/0
Common Mode Transient Immunity (Min) Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 9.5ns, 9.5ns Pulse Width Distortion (Max) 2.5ns Rise / Fall Time (Typ) 3.8ns, 2.8ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package	Channel Type	Unidirectional
Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 9.5ns, 9.5ns Pulse Width Distortion (Max) 2.5ns Rise / Fall Time (Typ) 3.8ns, 2.8ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package 16-QSOP	Voltage - Isolation	1000Vrms
Propagation Delay tpLH / tpHL (Max) 9.5ns, 9.5ns Pulse Width Distortion (Max) 2.5ns Rise / Fall Time (Typ) 3.8ns, 2.8ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package 16-QSOP	Common Mode Transient Immunity (Min)	25kV/µs (Typ)
Pulse Width Distortion (Max) Rise / Fall Time (Typ) 3.8ns, 2.8ns Voltage - Supply 2.7 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package 16-QSOP	Data Rate	150Mbps
Rise / Fall Time (Typ) $3.8 \text{ns}, 2.8 \text{ns}$ 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-SSOP (0.154° , 3.90mm Width)Supplier Device Package 16-QSOP	Propagation Delay tpLH / tpHL (Max)	9.5ns, 9.5ns
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\text{-SSOP } (0.154^{\circ}\text{H}, 3.90 \text{mm Width}) $ Supplier Device Package $ 16\text{-QSOP} $	Pulse Width Distortion (Max)	2.5ns
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $16\text{-SSOP} (0.154^{\circ}, 3.90 \text{mm Width})$ Supplier Device Package 16-QSOP	Rise / Fall Time (Typ)	3.8ns, 2.8ns
Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package 16-QSOP	Voltage - Supply	2.7 V ~ 5.5 V
Supplier Device Package 16-QSOP	Operating Temperature	-40°C ~ 125°C
	Package / Case	16-SSOP (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	16-QSOP
		Report errors?

SI8455BA-B-IUR 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.

SI8455BA-B-IUR Payment Methods



















SI8455BA-B-IUR Shipping Methods













If you have any question about SI8455BA-B-IUR, please do not hesitate to contact us!

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