



SI8630BC-B-IS1R Information

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For Reference Only

Part Number SI8630BC-B-IS1R

Manufacturer Silicon Labs

Category Isolators
Digital Isolators

Description DGTL ISO 3.75KV GEN PURP 16SOIC

Package 16-SOIC (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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SI8630BC-B-IS1R Specifications

Manufacturer Part Number \$18630BC-B-ISTR Manufacturer Silicon Labs Category 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 3 Inputs - Side 1/Side 2 3/0 Channel Type Unidirectional Voltage - Isolation 3750Vrms Common Mode Transient Immunity (Min) 35kV/µs Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 13ns, 13ns Pulse Width Distortion (Max) 4.5ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 2.5 v ~ 5.5 v Operating Temperature 40°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC		
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TechnologyCapacitive CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels3Inputs - Side 1/Side 23/0Channel TypeUnidirectionalVoltage - Isolation3750VrmsCommon Mode Transient Immunity (Min)35kV/μsData Rate150MbpsPropagation Delay tpLH / tpHL (Max)13ns, 13nsPulse Width Distortion (Max)4.5nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply2.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Package	16-SOIC (0.154", 3.90mm Width)
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Voltage - Isolation 3750Vrms Common Mode Transient Immunity (Min) 35kV/ μ s Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 13ns, 13ns Pulse Width Distortion (Max) 4.5ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 2.5 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Inputs - Side 1/Side 2	3/0
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Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 13ns, 13ns Pulse Width Distortion (Max) 4.5ns Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply 2.5 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Voltage - Isolation	3750Vrms
Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) 2.5ns, 2.5ns Voltage - Supply Operating Temperature Propagation Delay tpLH / tpHL (Max) 2.5ns, 2.5ns 2.5 V ~ 5.5 V -40°C ~ 125°C Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package	Common Mode Transient Immunity (Min)	35kV/μs
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Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC	Voltage - Supply	2.5 V ~ 5.5 V
Supplier Device Package 16-SOIC	Operating Temperature	-40°C ~ 125°C
	Package / Case	16-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

SI8630BC-B-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.

SI8630BC-B-IS1R Payment Methods



















SI8630BC-B-IS1R Shipping Methods













If you have any question about SI8630BC-B-IS1R, please do not hesitate to contact us!

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