



## SI8660AB-B-IS1 Information

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For Reference Only

Part Number SI8660AB-B-IS1
Manufacturer Silicon Labs
Category Isolators

**Digital Isolators** 

**Description** DGTL ISO 2.5KV 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**

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.









# SI8660AB-B-IS1 Specifications

Manufacturer Part Number  Manufacturer  Silicon Labs  Isolators  Digital Isolators  Package  16-SOIC (0.154", 3.90mm Width)  Series  Automotive, AEC-Q100  Technology  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)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  Silicon Labs  Isolator  Silicon Labs  Loading  Digital Isolators  Digital Isolators  Silicon Labs  Silicon Labca  Silic		
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)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  Identify a. Solon (0.154", 3.90mm Width)  Automotive, AEC-Q100  Capacitive Coupling  General Purpose  Indirectional  Volume  Indirectional  2500Vrms  35kV/µs  35kV/µs  25ns  Rise / Fall Time (Typ)	Manufacturer Part Number	SI8660AB-B-IS1
Package 16-SOIC (0.154", 3.90mm Width)  Series Automotive, AEC-Q100  Technology Capacitive Coupling  Type General Purpose  Isolated Power No  Number of Channels 6  Inputs - Side 1/Side 2 6/0  Channel Type Unidirectional  Voltage - Isolation 2500Vrms  Common Mode Transient Immunity (Min) 35kV/µs  Data Rate 1Mbps  Propagation Delay tpLH / tpHL (Max) 35ns, 35ns  Pulse Width Distortion (Max) 25ns  Rise / Fall Time (Typ) 2.5ns, 2.5ns	Manufacturer	Silicon Labs
Package16-SOIC (0.154", 3.90mm Width)SeriesAutomotive, AEC-Q100TechnologyCapacitive CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels6Inputs - Side 1/Side 26/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)35kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)35ns, 35nsPulse Width Distortion (Max)25nsRise / Fall Time (Typ)2.5ns, 2.5ns	Category	Isolators
SeriesAutomotive, AEC-Q100TechnologyCapacitive CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels6Inputs - Side 1/Side 26/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)35kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)35ns, 35nsPulse Width Distortion (Max)25nsRise / Fall Time (Typ)2.5ns, 2.5ns		Digital Isolators
Technology 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) Pulse Width Distortion (Max) Rise / Fall Time (Typ)  General Purpose General Purpose  Inputs - Capacitive Coupling Conner Analogue Solution  6 Unidirectional 2500Vrms	Package	16-SOIC (0.154", 3.90mm Width)
Type 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) Pulse Width Distortion (Max) Rise / Fall Time (Typ)  So No No Unidirectional 2500Vrms 2500Vrms 35kV/μs 1Mbps 25ns 25ns 25ns 25ns	Series	Automotive, AEC-Q100
Isolated PowerNoNumber of Channels6Inputs - Side 1/Side 26/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)35kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)35ns, 35nsPulse Width Distortion (Max)25nsRise / Fall Time (Typ)2.5ns, 2.5ns	Technology	Capacitive Coupling
Number of Channels6Inputs - Side 1/Side 26/0Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)35kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)35ns, 35nsPulse Width Distortion (Max)25nsRise / Fall Time (Typ)2.5ns, 2.5ns	Туре	General Purpose
Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 35kV/μs Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) 35ns, 35ns Pulse Width Distortion (Max) 25ns Rise / Fall Time (Typ) 2.5ns, 2.5ns	Isolated Power	No
Channel TypeUnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)35kV/μsData Rate1MbpsPropagation Delay tpLH / tpHL (Max)35ns, 35nsPulse Width Distortion (Max)25nsRise / Fall Time (Typ)2.5ns, 2.5ns	Number of Channels	6
Voltage - Isolation  Common Mode Transient Immunity (Min)  Data Rate  1Mbps  Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  2500Vrms  35kV/μs  1Mbps  25ns, 25ns  25ns  2.5ns	Inputs - Side 1/Side 2	6/0
Common Mode Transient Immunity (Min)  Data Rate  1Mbps  Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  35kV/µs  35kV/µs  25ns  25ns  2.5ns	Channel Type	Unidirectional
Data Rate 1Mbps Propagation Delay tpLH / tpHL (Max) 35ns, 35ns Pulse Width Distortion (Max) 25ns Rise / Fall Time (Typ) 2.5ns, 2.5ns	Voltage - Isolation	2500Vrms
Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  25ns  2.5ns, 2.5ns	Common Mode Transient Immunity (Min)	$35kV/\mu s$
Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  25ns  2.5ns, 2.5ns	Data Rate	1Mbps
Rise / Fall Time (Typ)  2.5ns, 2.5ns	Propagation Delay tpLH / tpHL (Max)	35ns, 35ns
	Pulse Width Distortion (Max)	25ns
V 1, C 1	Rise / Fall Time (Typ)	2.5ns, 2.5ns
voltage - Supply 2.5 V ~ 5.5 V	Voltage - Supply	2.5 V ~ 5.5 V
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Operating Temperature	-40°C ~ 125°C
Package / Case 16-SOIC (0.154", 3.90mm Width)	Package / Case	16-SOIC (0.154", 3.90mm Width)
Supplier Device Package 16-SOIC	Supplier Device Package	16-SOIC
Report errors?		Report errors?

#### SI8660AB-B-IS1 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.

## SI8660AB-B-IS1 Payment Methods



















## SI8660AB-B-IS1 Shipping Methods













If you have any question about SI8660AB-B-IS1, please do not hesitate to contact us!

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