



#### SI8602AB-B-ISR Information



For Reference Only

Part Number SI8602AB-B-ISR Manufacturer Silicon Labs Category Isolators

**Digital Isolators** 

DescriptionDGTL ISO 2.5KV 2CH I2C 8SOICPackage8-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.









# SI8602AB-B-ISR Specifications

Manufacturer Part Number         \$18602AB-B-ISR           Manufacturer         Silicon Labs           Category         Isolators           Package         8-SOIC (0.154", 3.90mm Width)           Series         Automotive, AEC-Q100           Technology         Capacitive Coupling           Type         I2C           Isolated Power         No           Number of Channels         2           Inputs - Side 1/Side 2         2/1           Channel Type         Bidirectional, Unidirectional           Voltage - Isolation         2500Vrms           Common Mode Transient Immunity (Min)         35kV/µs           Data Rate         -           Propagation Delay tpLH / tpHL (Max)         -           Pulse Width Distortion (Max)         -           Rise / Fall Time (Typ)         3 V ~ 5.5 V           Operating Temperature         -40°C ~ 125°C           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOIC		
Category         Isolators           Package         8-SOIC (0.154", 3.90mm Width)           Series         Automotive, AEC-Q100           Technology         Capacitive Coupling           Type         I2C           Isolated Power         No           Number of Channels         2           Inputs - Side 1/Side 2         2/1           Channel Type         Bidirectional, Unidirectional           Voltage - Isolation         2500Vrms           Common Mode Transient Immunity (Min)         35kV/µs           Data Rate         -           Propagation Delay tpLH / tpHL (Max)         -           Pulse Width Distortion (Max)         -           Rise / Fall Time (Typ)         -           Voltage - Supply         3 V ~ 5.5 V           Operating Temperature         40°C ~ 125°C           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOIC	Manufacturer Part Number	SI8602AB-B-ISR
Package         8-SOIC (0.154", 3.90mm Width)           Series         Automotive, AEC-Q100           Technology         Capacitive Coupling           Type         12C           Isolated Power         No           Number of Channels         2           Inputs - Side 1/Side 2         2/1           Channel Type         Bidirectional, Unidirectional           Voltage - Isolation         2500Vrms           Common Mode Transient Immunity (Min)         35kV/µs           Data Rate         -           Propagation Delay tpLH / tpHL (Max)         -           Pulse Width Distortion (Max)         -           Rise / Fall Time (Typ)         -           Voltage - Supply         3 V ~ 5.5 V           Operating Temperature         -40°C ~ 125°C           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOIC	Manufacturer	Silicon Labs
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SeriesAutomotive, AEC-Q100TechnologyCapacitive CouplingType12CIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 22/1Channel TypeBidirectional, UnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min) $35kV/\mu s$ Data Rate-Propagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)-Voltage - Supply $3 V \sim 5.5 V$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Package / Case $8-SOIC$ (0.154", 3.90mm Width)Supplier Device Package $8-SOIC$		Digital Isolators
Technology Type I2C Isolated Power No Number of Channels Inputs - Side 1/Side 2 Channel Type Bidirectional, Unidirectional Voltage - Isolation Common Mode Transient Immunity (Min) Data Rate Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Rise / Fall Time (Typ) Voltage - Supply Operating Temperature Package / Case 8-SOIC 8-SOIC  Capacitive Coupling I2C I2C No No No Suplier Device Package  8-SOIC I2C I2C I2C I2C I2C I2C I2C I2C I2C I	Package	8-SOIC (0.154", 3.90mm Width)
TypeI2CIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 22/1Channel TypeBidirectional, UnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)35kV/μsData Rate-Propagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)-Voltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Series	Automotive, AEC-Q100
Isolated Power  Number of Channels  Inputs - Side 1/Side 2  Channel Type  Bidirectional, Unidirectional  Voltage - Isolation  Common Mode Transient Immunity (Min)  Data Rate  Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  Voltage - Supply  Operating Temperature  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Technology	Capacitive Coupling
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Channel Type  Voltage - Isolation  2500Vrms  Common Mode Transient Immunity (Min)  Data Rate  Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  Voltage - Supply  Operating Temperature  Package / Case  Supplier Device Package  Bidirectional, Unidirectional  2500Vrms  Bidirectional  2500Vrms  Bidirec	Number of Channels	2
Voltage - Isolation  Common Mode Transient Immunity (Min)  35kV/μs  Data Rate  - Propagation Delay tpLH / tpHL (Max)  Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  Voltage - Supply  Operating Temperature  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Inputs - Side 1/Side 2	2/1
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Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  Voltage - Supply  Operating Temperature  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	Data Rate	-
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Voltage - Supply $3\ V \sim 5.5\ V$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $8\text{-SOIC }(0.154^{\circ}\text{, }3.90\text{mm Width})$ Supplier Device Package $8\text{-SOIC}$	Pulse Width Distortion (Max)	-
Operating Temperature -40°C ~ 125°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Rise / Fall Time (Typ)	-
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	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SOIC
		Report errors?

#### SI8602AB-B-ISR 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.

### SI8602AB-B-ISR Payment Methods



















## SI8602AB-B-ISR Shipping Methods













If you have any question about SI8602AB-B-ISR, please do not hesitate to contact us!

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