

SI8602AB-B-IS

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SI8602AB-B-IS Information

www.pasener.com	Part Number	SI8602AB-B-IS
	Manufacturer	Silicon Labs
	Category	Isolators Digital Isolators
	Description	DGTL ISO 2.5KV 2CH I2C 8SOIC
	Package	8-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

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-IS Specifications

ManufacturerSilicon LabsCategoryIsolatorsPackage8-SOIC (0.154", 3.90mm Width)Package8-SOIC (0.154", 3.90mm Width)SeriesAutomotive, AEC-Q100TechnologyCapacitive CouplingTypeI2CIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 22/1Channel TypeBidirectional, UnidirectionalVoltage - Isolation35kV/µsCommon Mode Transient Immunity (Min)35kV/µsData Rate-Propagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)		
CategoryIsolatorsPackage8-SOIC (0.154", 3.90mm Width)Package8-SOIC (0.154", 3.90mm Width)SeriesAutomotive, AEC-Q100TechnologyCapacitive CouplingTypeICIsolated 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)3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	SI8602AB-B-IS
Digital IsolatorsPackage8-SOIC (0.154", 3.90mm Width)SeriesAutomotive, AEC-Q100TechnologyCapacitive CouplingTypeI2CIsolated 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)3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)	Manufacturer	Silicon Labs
PackageSOIC (0.154", 3.90mm Width)SeriesAutomotive, AEC-Q100TechnologyCapacitive CouplingTypeI2CIsolated PowerNoNumber of Channels2Inputs - Side 1/Side 2/1Channel TypeBidirectional, UnidirectionalVoltage - Isolation2500VrmsCommon Mode Transient Immunity (Min)35kV/µsData Rate-Propagation Delay tpLH / tpHL (Max)-Pulse Width Distortion (Max)-Rise / Fall Time (Typ)3V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)	Category	Isolators
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TechnologyCapacitive CouplingTypeI2CIsolated 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)3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)	Package	8-SOIC (0.154", 3.90mm Width)
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)	Series	Automotive, AEC-Q100
IndicationNoIsolated 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)3V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)	Technology	Capacitive Coupling
Number 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)-Kise / Fall Time (Typ)3V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Туре	I2C
Inputs - Side 1/Side 22/1Inputs - 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)	Isolated Power	No
Channel TypeBidirectional, UnidirectionalChannel Type2500VrmsVoltage - 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)	Number of Channels	2
Voltage - 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	Inputs - Side 1/Side 2	2/1
Common 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	Channel Type	Bidirectional, Unidirectional
Data 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	Voltage - Isolation	2500Vrms
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	Common Mode Transient Immunity (Min)	35kV/µs
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	Data Rate	-
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	Propagation Delay tpLH / tpHL (Max)	-
Voltage - Supply3 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Pulse Width Distortion (Max)	-
Operating Temperature-40°C ~ 125°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Rise / Fall Time (Typ)	-
Package / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Voltage - Supply	3 V ~ 5.5 V
Supplier Device Package 8-SOIC	Operating Temperature	-40°C ~ 125°C
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SOIC
		Report errors?

SI8602AB-B-IS 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

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-IS Payment Methods



SI8602AB-B-IS Shipping Methods



If you have any question about SI8602AB-B-IS, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com