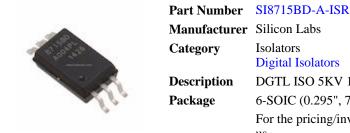


SI8715BD-A-ISR

SI8715BD-A-ISR Information



Number	S18/15BD-A-15K	
ufacturer	Silicon Labs	
egory	Isolators Digital Isolators	
ription	DGTL ISO 5KV 1CH GEN PURP 6DIPGW	
kage	6-SOIC (0.295", 7.50mm Width)	
	For the pricing/inventory/lead time, please contact	
	us	
	Website: https://www.heisener.com	
	E-mail: salesdept@heisener.com	



Request a Quote

Certified Quality

For Reference Only

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.



SI8715BD-A-ISR Specifications

ManufacturerSilicon LabsCategoryIsolatorsPackage6-SOIC (0.295", 7.50mm Width)Package6-SOIC (0.295", 7.50mm Width)SeriesAutomotive, AEC-Q100TechnologyCapacitive CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels1Inputs - Side 1/Side 21/0Channel TypeSolo0VrmsCommon Mode Transient Immunity (Min)StkV/µsData Rate15MbpsPropagation Delay tpLH / tpHL (Max)50ns, 50nsPulse Width Distortion (Max)25nsRise / Fall Time (Typ)2.5 Ns, 2.5 NsVoltage - Supply.6 SOIC (0.295", 7.50mm Width)		
CategoryIsolatorsPackage6-SOIC (0.295", 7.50mm Width)Package6-SOIC (0.295", 7.50mm Width)SeriesAutomotive, AEC-Q100TechnologyCapacitive CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels1Inputs - Side 1/Side 21/0Channel TypeSoloVrmsVoltage - IsolationSoloVrmsCommon Mode Transient Immunity (Min)StkVµsData Rate15MbpsPropagation Delay tpLH / tpHL (Max)Sons, 50nsPulse Width Distortion (Max)25nsRise / Fall Time (Typ)2.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case6.SDIF Gull Wing	Manufacturer Part Number	SI8715BD-A-ISR
Digital IsolatorsPackage6-SOIC (0.295", 7.50mm Width)SeriesAutomotive, AEC-Q100TechnologyCapacitive CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels1Inputs - Side 1/Side 21/0Channel TypeSo00VrmsCommon Mode Transient Immunity (Min)35kV/µsData Rate15MbpsPropagation Delay tpLH / tpHL (Max)50ns, 50nsPulse Width Distortion (Max)25nsRise / Fall Time (Typ)2.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case6-SDIF Gull Wing	Manufacturer	Silicon Labs
Package- SOIC (0.295", 7.50mm Width)SeriesAutomotive, AEC-Q100TechnologyCapacitive CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels1Inputs - Side 1/Side 21/0Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)35kV/µsData Rate15MbpsPropagation Delay tpLH / tpHL (Max)50ns, 50nsPulse Width Distortion (Max)25nsRise / Fall Time (Typ)2.5 tv ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case6-SDIP Gull Wing	Category	Isolators
SeriesAutomotive, AEC-Q100TechnologyCapacitive CouplingTypeGeneral PurposeIsolated PowerNoNumber of Channels1Inputs - Side 1/Side 21/0Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)35kV/µsData Rate15MbpsPropagation Delay tpLH / tpHL (Max)50ns, 50nsPulse Width Distortion (Max)25nsRise / Fall Time (Typ)2.5 N ~ 5.5 VVoltage - Supply-40°C ~ 125°CPackage / Case6-SDIP Gull Wing		Digital Isolators
Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 1 Inputs - Side 1/Side 2 1/0 Channel Type Unidirectional Ottage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 35kV/μs Data Rate 15Mbps Propagation Delay tpLH / tpHL (Max) 50ns, 50ns Pulse Width Distortion (Max) 25ns Rise / Fall Time (Typ) 2.5 Ns, 2.5 ns Voltage - Supply 40°C ~ 125°C Package / Case 6-SOIIC (0.295", 7.50mm Width)	Package	6-SOIC (0.295", 7.50mm Width)
Type General Purpose Isolated Power No Number of Channels 1 Inputs - Side 1/Side 2 1/0 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 5kV/µs Data Rate 15Mbps Propagation Delay tpLH / tpHL (Max) 50ns, 50ns Pulse Width Distortion (Max) 25ns Rise / Fall Time (Typ) 2.5 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 6-SDIP Gull Wing	Series	Automotive, AEC-Q100
Isolated Power No Number of Channels 1 Inputs - Side 1/Side 2 1/0 Channel Type Unidirectional Voltage - Isolation 5000Vrms Common Mode Transient Immunity (Min) 5kV/µs Data Rate 15Mbps Propagation Delay tpLH / tpHL (Max) 50ns, 50ns Pulse Width Distortion (Max) 25ns Rise / Fall Time (Typ) 2.5 V ~ 5.5 V Operating Temperature -40°C ~ 125°C Package / Case 6-SDIF Gull Wing	Technology	Capacitive Coupling
Number of Channels1Inputs - Side 1/Side 21/0Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)35kV/µsData Rate15MbpsPropagation Delay tpLH / tpHL (Max)50ns, 50nsPulse Width Distortion (Max)25nsXoltage - Supply2.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case6-SDIF Gull Wing	Туре	General Purpose
Inputs - Side 1/Side 21/0Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)35kV/µsData Rate15MbpsPropagation Delay tpLH / tpHL (Max)50ns, 50nsPulse Width Distortion (Max)25nsRise / Fall Time (Typ)2.5 ns, 2.5 nsVoltage - Supply-40°C ~ 125°CPackage / Case6-SDIP Gull Wing	Isolated Power	No
Channel TypeUnidirectionalVoltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)35kV/µsData Rate15MbpsPropagation Delay tpLH / tpHL (Max)50ns, 50nsPulse Width Distortion (Max)25nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply2.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case6-SDIP Gull Wing	Number of Channels	1
Voltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)35kV/µsData Rate15MbpsPropagation Delay tpLH / tpHL (Max)50ns, 50nsPulse Width Distortion (Max)25nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply2.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case6-SOIC (0.295", 7.50mm Width)Supplier Device Package6-SDIP Gull Wing	Inputs - Side 1/Side 2	1/0
Common Mode Transient Immunity (Min)35kV/µsData Rate15MbpsPropagation Delay tpLH / tpHL (Max)50ns, 50nsPulse Width Distortion (Max)25nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply2.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case6-SOIC (0.295", 7.50mm Width)Supplier Device Package6-SDIP Gull Wing	Channel Type	Unidirectional
Data Rate15MbpsPropagation Delay tpLH / tpHL (Max)50ns, 50nsPulse Width Distortion (Max)25nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply2.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case6-SOIC (0.295", 7.50mm Width)Supplier Device Package6-SDIP Gull Wing	Voltage - Isolation	5000Vrms
Propagation Delay tpLH / tpHL (Max)50ns, 50nsPulse Width Distortion (Max)25nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply2.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case6-SOIC (0.295", 7.50mm Width)Supplier Device Package6-SDIP Gull Wing	Common Mode Transient Immunity (Min)	35kV/µs
Pulse Width Distortion (Max)25nsRise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply2.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case6-SOIC (0.295", 7.50mm Width)Supplier Device Package6-SDIP Gull Wing	Data Rate	15Mbps
Rise / Fall Time (Typ)2.5ns, 2.5nsVoltage - Supply2.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case6-SOIC (0.295", 7.50mm Width)Supplier Device Package6-SDIP Gull Wing	Propagation Delay tpLH / tpHL (Max)	50ns, 50ns
Voltage - Supply2.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°CPackage / Case6-SOIC (0.295", 7.50mm Width)Supplier Device Package6-SDIP Gull Wing	Pulse Width Distortion (Max)	25ns
Operating Temperature-40°C ~ 125°CPackage / Case6-SOIC (0.295", 7.50mm Width)Supplier Device Package6-SDIP Gull Wing	Rise / Fall Time (Typ)	2.5ns, 2.5ns
Package / Case6-SOIC (0.295", 7.50mm Width)Supplier Device Package6-SDIP Gull Wing	Voltage - Supply	2.5 V ~ 5.5 V
Supplier Device Package 6-SDIP Gull Wing	Operating Temperature	-40°C ~ 125°C
	Package / Case	6-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	6-SDIP Gull Wing
		Report errors?

SI8715BD-A-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 BUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

SI8715BD-A-ISR Payment Methods



SI8715BD-A-ISR Shipping Methods



If you have any question about SI8715BD-A-ISR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com