



SI8238BD-C-ISR Information



For Reference Only

Part Number SI8238BD-C-ISR **Manufacturer** Silicon Labs

Category Isolators

Isolators - Gate Drivers

Description DGTL ISO 5KV 2CH GATE DVR 16SOIC

Package 16-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



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Certified Quality

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SI8238BD-C-ISR Specifications

Manufacturer Part NumberSI8238BD-C-ISRManufacturerSilicon LabsCategoryIsolatorsPackage16-SOIC (0.295", 7.50mm Width)SeriesAutomotive, AEC-Q100TechnologyCapacitive CouplingNumber of Channels2Voltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)20kV/µsPropagation Delay tpLH / tpHL (Max)60ns, 60nsPulse Width Distortion (Max)5.6nsRise / Fall Time (Typ)12ns, 12ns (Max)Current - Output High, Low2A, 4ACurrent - Peak Output4AVoltage - Forward (Vf) (Typ)-Current - DC Forward (If) (Max)-Voltage - Supply9.4 V ~ 24 V		
CategoryIsolatorsPackage16-SOIC (0.295", 7.50mm Width)SeriesAutomotive, AEC-Q100TechnologyCapacitive CouplingNumber of Channels2Voltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)20kV/μsPropagation Delay tpLH / tpHL (Max)60ns, 60nsPulse Width Distortion (Max)5.6nsRise / Fall Time (Typ)12ns, 12ns (Max)Current - Output High, Low2A, 4ACurrent - Peak Output4AVoltage - Forward (Vf) (Typ)-Current - DC Forward (If) (Max)-	Manufacturer Part Number	SI8238BD-C-ISR
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Propagation Delay tpLH / tpHL (Max) 60ns, 60ns Pulse Width Distortion (Max) 5.6ns Rise / Fall Time (Typ) 12ns, 12ns (Max) Current - Output High, Low 2A, 4A Current - Peak Output 4A Voltage - Forward (Vf) (Typ) - Current - DC Forward (If) (Max) -	Voltage - Isolation	5000Vrms
Pulse Width Distortion (Max) Rise / Fall Time (Typ) 12ns, 12ns (Max) Current - Output High, Low 2A, 4A Current - Peak Output 4A Voltage - Forward (Vf) (Typ) - Current - DC Forward (If) (Max)	Common Mode Transient Immunity (Min)	20kV/μs
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Voltage - Forward (Vf) (Typ) - Current - DC Forward (If) (Max) -	Current - Output High, Low	2A, 4A
Current - DC Forward (If) (Max)	Current - Peak Output	4A
	Voltage - Forward (Vf) (Typ)	-
Voltage - Supply $9.4 \text{ V} \sim 24 \text{ V}$	Current - DC Forward (If) (Max)	-
	Voltage - Supply	9.4 V ~ 24 V
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Operating Temperature	-40°C ~ 125°C
Mounting Type Surface Mount	Mounting Type	Surface Mount
Package / Case 16-SOIC (0.295", 7.50mm Width)	Package / Case	16-SOIC (0.295", 7.50mm Width)
Supplier Device Package 16-SOIC	Supplier Device Package	16-SOIC
Approvals CQC, CSA, UR, VDE	Approvals	CQC, CSA, UR, VDE
Report errors?		Report errors?

SI8238BD-C-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.

SI8238BD-C-ISR Payment Methods





















SI8238BD-C-ISR Shipping Methods













If you have any question about SI8238BD-C-ISR, please do not hesitate to contact us!

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