



SI8233CB-C-IM Information



For Reference Only

Part Number S18233CB-C-IM
Manufacturer Silicon Labs
Category Isolators

Isolators - Gate Drivers

Description DGTL ISO 2.5KV GATE DRIVER 14LGA

Package 14-VFLGA

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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SI8233CB-C-IM Specifications

Manufacturer Part Number S18233CB-C-IM Manufacturer Silicon Labs Category Isolators Package 14-VFLGA Series Automotive, AEC-Q100 Technology Capacitive Coupling Number of Channels 2 Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 20kV/µs 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 - Supply 12.2 V ~ 24 V Operating Temperature 40°C ~ 125°C Mounting Type surface Mount Package / Case 14-VFLGA Supplier Device Package 14-LGA (5x5) Approvals CQC, CSA, UR, VDE		
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TechnologyCapacitive CouplingNumber of Channels2Voltage - Isolation2500VrmsCommon 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 - Supply12.2 V ~ 24 VOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case14-VFLGASupplier Device Package14-LGA (5x5)ApprovalsCQC, CSA, UR, VDE	Package	14-VFLGA
Number of Channels 2 Voltage - Isolation 2500Vrms Common Mode Transient Immunity (Min) 20kV/μs 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 - Supply 12.2 V ~ 24 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 14-VFLGA Supplier Device Package 14-LGA (5x5) Approvals CQC, CSA, UR, VDE	Series	Automotive, AEC-Q100
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Common Mode Transient Immunity (Min) Propagation Delay tpLH / tpHL (Max) Propagation Delay tpLH / tpHL (Max) 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) Voltage - Supply 12.2 V ~ 24 V Operating Temperature 40°C ~ 125°C Mounting Type Surface Mount Package / Case 14-VFLGA Supplier Device Package Approvals COC, CSA, UR, VDE	Number of Channels	2
Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) S.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 - Supply 12.2 V ~ 24 V Operating Temperature 40°C ~ 125°C Mounting Type Surface Mount Package / Case 14-VFLGA Supplier Device Package Approvals COC, CSA, UR, VDE	Voltage - Isolation	2500Vrms
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Rise / Fall Time (Typ) Current - Output High, Low 2A, 4A Current - Peak Output 4A Voltage - Forward (Vf) (Typ) - Current - DC Forward (If) (Max) Voltage - Supply 12.2 V ~ 24 V Operating Temperature 40°C ~ 125°C Mounting Type Surface Mount Package / Case 14-VFLGA Supplier Device Package Approvals Current - DC Forward (If) (Max) - CCC ~ CSA, UR, VDE	Propagation Delay tpLH / tpHL (Max)	60ns, 60ns
Current - Output High, Low Current - Peak Output 4A Voltage - Forward (Vf) (Typ) - Current - DC Forward (If) (Max) Voltage - Supply Operating Temperature Mounting Type Surface Mount Package / Case Supplier Device Package Approvals 2A, 4A 4A 14. 4A 15. 15. 15. 15. 15. 15. 15. 15. 15. 15.	Pulse Width Distortion (Max)	5.6ns
Current - Peak Output Voltage - Forward (Vf) (Typ) - Current - DC Forward (If) (Max) - Voltage - Supply 12.2 V ~ 24 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 14-VFLGA Supplier Device Package Approvals CQC, CSA, UR, VDE	Rise / Fall Time (Typ)	12ns, 12ns (Max)
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Current - DC Forward (If) (Max) Voltage - Supply 12.2 V ~ 24 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 14-VFLGA Supplier Device Package Approvals CQC, CSA, UR, VDE	Current - Peak Output	4A
Voltage - Supply12.2 V ~ 24 VOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case14-VFLGASupplier Device Package14-LGA (5x5)ApprovalsCQC, CSA, UR, VDE	Voltage - Forward (Vf) (Typ)	-
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Mounting Type Surface Mount Package / Case 14-VFLGA Supplier Device Package 14-LGA (5x5) Approvals CQC, CSA, UR, VDE	Voltage - Supply	12.2 V ~ 24 V
Package / Case 14-VFLGA Supplier Device Package 14-LGA (5x5) Approvals CQC, CSA, UR, VDE	Operating Temperature	-40°C ~ 125°C
Supplier Device Package 14-LGA (5x5) Approvals CQC, CSA, UR, VDE	Mounting Type	Surface Mount
Approvals CQC, CSA, UR, VDE	Package / Case	14-VFLGA
	Supplier Device Package	14-LGA (5x5)
Report errors?	Approvals	CQC, CSA, UR, VDE
		Report errors?

SI8233CB-C-IM 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.

SI8233CB-C-IM Payment Methods



















SI8233CB-C-IM Shipping Methods













If you have any question about SI8233CB-C-IM, please do not hesitate to contact us!

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