



### **SI8283BD-ISR Information**



For Reference Only

Part Number SI8283BD-ISR Manufacturer Silicon Labs Category Isolators

Isolators - Gate Drivers

**Description** OPTOISI 5KV GATE DRIVER 24SOIC

**Package** 24-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**

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.









## SI8283BD-ISR Specifications

Manufacturer Part Number         \$\$18283BD-ISR           Manufacturer         \$\$16ion Labs           Category         Isolators           Package         \$24-SOIC (0.295", 7.50mm Width)           Series         -           Technology         Capacitive Coupling           Number of Channels         1           Voltage - Isolation         \$5000Vrms           Common Mode Transient Immunity (Min)         \$35kV/µs           Propagation Delay tpLH / tpHL (Max)         \$0ns, 50ns           Pulse Width Distortion (Max)         5ns           Rise / Fall Time (Typ)         5.5ns, 8.5ns           Current - Output High, Low         2.5A, 3A           Current - Peak Output         4A           Voltage - Forward (Vf) (Typ)         -           Current - DC Forward (If) (Max)         9.5 V ~ 30 V           Operating Temperature         40°C ~ 125°C           Mounting Type         \$urface Mount           Package / Case         24-SOIC (0.295", 7.50mm Width)           Supplier Device Package         24-SOIC           Approvals         CQC, CSA, UR, VDE	-	
Category         Isolators           Package         24-SOIC (0.295", 7.50mm Width)           Series         -           Technology         Capacitive Coupling           Number of Channels         1           Voltage - Isolation         5000Vrms           Common Mode Transient Immunity (Min)         35kV/µs           Propagation Delay tpLH / tpHL (Max)         50ns, 50ns           Pulse Width Distortion (Max)         5ns           Rise / Fall Time (Typ)         5.5ns, 8.5ns           Current - Output High, Low         2.5A, 3A           Current - Peak Output         4A           Voltage - Forward (Vf) (Typ)         -           Current - DC Forward (If) (Max)         -           Voltage - Supply         9.5 V ~ 30 V           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         24-SOIC (0.295", 7.50mm Width)           Supplier Device Package         24-SOIC           Approvals         CQC, CSA, UR, VDE	Manufacturer Part Number	SI8283BD-ISR
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Voltage - Isolation5000VrmsCommon Mode Transient Immunity (Min)35kV/μsPropagation Delay tpLH / tpHL (Max)50ns, 50nsPulse Width Distortion (Max)5nsRise / Fall Time (Typ)5.5ns, 8.5nsCurrent - Output High, Low2.5A, 3ACurrent - Peak Output4AVoltage - Forward (Vf) (Typ)-Current - DC Forward (If) (Max)-Voltage - Supply9.5 V ~ 30 VOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case24-SOIC (0.295", 7.50mm Width)Supplier Device Package24-SOICApprovalsCQC, CSA, UR, VDE	Technology	Capacitive Coupling
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Pulse Width Distortion (Max)  Rise / Fall Time (Typ)  5.5ns, 8.5ns  Current - Output High, Low  2.5A, 3A  Current - Peak Output  Voltage - Forward (Vf) (Typ)  - Current - DC Forward (If) (Max)  Voltage - Supply  9.5 V ~ 30 V  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  24-SOIC (0.295", 7.50mm Width)  Supplier Device Package  Approvals  Current - Output High, Low  5.5ns, 8.5ns  2.5A, 3A  4A  Current - Device Package  4A  Current - Output High, Low  5.5ns, 8.5ns  2.5A, 3A  4A  Current - Output High, Low  4A  4A  Voltage - Soiv and Current - Output High, Low  4A  4A  Current - Peak Output  4A  Current - Output High, Low  5.5ns, 8.5ns  2.5A, 3A  Current - Output High, Low  4A  Voltage - Soiv and Current - Output High, Low  5.5ns, 8.5ns  2.5A, 3A  Current - Output High, Low  6.5n, 3A  Current - Output High, Low  6.5ns, 8.5ns  6.5ns, 8.5ns	Common Mode Transient Immunity (Min)	35kV/μs
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Current - Peak Output  Voltage - Forward (Vf) (Typ)  - Current - DC Forward (If) (Max)  Voltage - Supply  9.5 V ~ 30 V  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  24-SOIC (0.295", 7.50mm Width)  Supplier Device Package  Approvals  CQC, CSA, UR, VDE	Rise / Fall Time (Typ)	5.5ns, 8.5ns
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Voltage - Supply9.5 V ~ 30 VOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case24-SOIC (0.295", 7.50mm Width)Supplier Device Package24-SOICApprovalsCQC, CSA, UR, VDE	Voltage - Forward (Vf) (Typ)	-
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Supplier Device Package 24-SOIC Approvals CQC, CSA, UR, VDE	Mounting Type	Surface Mount
Approvals CQC, CSA, UR, VDE	Package / Case	24-SOIC (0.295", 7.50mm Width)
	Supplier Device Package	24-SOIC
Report errors?	Approvals	CQC, CSA, UR, VDE
		Report errors?

#### SI8283BD-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.

# SI8283BD-ISR Payment Methods



















### **SI8283BD-ISR Shipping Methods**













If you have any question about SI8283BD-ISR, please do not hesitate to contact us!

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