

**SI8431BB-D-IS1R Information**


For Reference Only

**Part Number** [SI8431BB-D-IS1R](#)  
**Manufacturer** Silicon Labs  
**Category** Isolators  
[Digital Isolators](#)  
**Description** DGTL ISO 2.5KV GEN PURP 16SOIC  
**Package** 16-SOIC (0.154", 3.90mm Width)  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)



Request a Quote

**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.


**SI8431BB-D-IS1R Specifications**

|                                      |  |
|--------------------------------------|--|
| Manufacturer Part Number             | <a href="#">SI8431BB-D-IS1R</a>                |
| Manufacturer                         | Silicon Labs                                   |
| Category                             | Isolators<br><a href="#">Digital Isolators</a> |
| Package                              | 16-SOIC (0.154", 3.90mm Width)                 |
| Series                               | Automotive, AEC-Q100                           |
| Technology                           | Capacitive Coupling                            |
| Type                                 | General Purpose                                |
| Isolated Power                       | No   |
| Number of Channels                   | 3  |
| Inputs - Side 1/Side 2               | 2/1  |
| Channel Type                         | Unidirectional                                 |
| Voltage - Isolation                  | 2500Vrms                                       |
| Common Mode Transient Immunity (Min) | 25kV/μs (Typ)                                  |
| Data Rate                            | 150Mbps  |
| Propagation Delay tpLH / tpHL (Max)  | 9.5ns, 9.5ns                                   |
| Pulse Width Distortion (Max)         | 2.5ns  |
| Rise / Fall Time (Typ)               | 3.8ns, 2.8ns                                   |
| Voltage - Supply                     | 2.7 V ~ 5.5 V                                  |
| Operating Temperature                | -40°C ~ 125°C                                  |
| Package / Case                       | 16-SOIC (0.154", 3.90mm Width)                 |
| Supplier Device Package              | 16-SOIC  |

[Report errors?](#)

## SI8431BB-D-IS1R 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.

## SI8431BB-D-IS1R Payment Methods



## SI8431BB-D-IS1R Shipping Methods



If you have any question about SI8431BB-D-IS1R, please do not hesitate to contact us!

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E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)