

**ISL84542IPZ Information**


For Reference Only

**Part Number** [ISL84542IPZ](#)  
**Manufacturer** Renesas Electronics America  
**Category** Integrated Circuits (ICs)  
[Interface - Analog Switches, Multiplexers, Demultiplexers](#)  
**Description** IC SWITCH DUAL SPST 8DIP  
**Package** 8-DIP (0.300", 7.62mm)  
 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.


**ISL84542IPZ Specifications**

|  |  |
|--|--|
| Manufacturer Part Number               | <a href="#">ISL84542IPZ</a>  |
| Manufacturer                           | Renesas Electronics America  |
| Category                               | Integrated Circuits (ICs)<br><a href="#">Interface - Analog Switches, Multiplexers, Demultiplexers</a> |
| Package                                | 8-DIP (0.300", 7.62mm)   |
| Series                                 | -  |
| Switch Circuit                         | SPST - NC  |
| Multiplexer/Demultiplexer Circuit      | 1:1  |
| Number of Circuits                     | 2  |
| On-State Resistance (Max)              | 60 Ohm   |
| Channel-to-Channel Matching (Ron)      | 800 mOhm   |
| Voltage - Supply, Single (V+)          | 2.7 V ~ 12 V   |
| Voltage - Supply, Dual (V±)            | -  |
| Switch Time (Ton, Toff) (Max)          | 100ns, 75ns  |
| -3db Bandwidth                         | -  |
| Charge Injection                       | 1pC  |
| Channel Capacitance (CS(off), CD(off)) | 8pF, 8pF   |
| Current - Leakage (IS(off)) (Max)      | 100pA  |
| Crosstalk                              | -90dB @ 1MHz   |
| Operating Temperature                  | -40°C ~ 85°C (TA)  |
| Package / Case                         | 8-DIP (0.300", 7.62mm)   |
| Supplier Device Package                | 8-PDIP   |

[Report errors?](#)

## ISL84542IPZ 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.

## ISL84542IPZ Payment Methods



## ISL84542IPZ Shipping Methods



If you have any question about ISL84542IPZ, please do not hesitate to contact us!

Website: <https://www.heisener.com>

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