

ISL84544IB

  
A Renesas Company

**Part Number:** [ISL84544IB](#)

**Manufacturer:** [Intersil](#)

**Description:** IC SWITCH SPDT 8SOIC

**Data sheet:**  [ISL84541-44](#)

**RoHs Status:** Contains lead / RoHS non-compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                    |                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------|---------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                              | ISL84544IB                                | Manufacturer                       | <a href="#">Intersil</a>              |
| Description                                                                                                                                                                                                                                                                                                                                                                              | IC SWITCH SPDT 8SOIC                      | Lead Free Status / RoHS Status     | Contains lead / RoHS non-compliant    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                       | 4042 pcs                                  | Data sheet                         | <a href="#">ISL84541-44</a>           |
| Category                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Single (V+)      | 2.7 V ~ 12 V                          |
| Voltage - Supply, Dual (V±)                                                                                                                                                                                                                                                                                                                                                              | -                                         | Switch Time (Ton, Toff) (Max)      | 100ns, 75ns                           |
| Switch Circuit                                                                                                                                                                                                                                                                                                                                                                           | SPDT                                      | Supplier Device Package            | 8-SOIC                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                   | -                                         | Packaging                          | Tube                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                           | 8-SOIC (0.154", 3.90mm Width)             | Operating Temperature              | -40°C ~ 85°C (TA)                     |
| On-State Resistance (Max)                                                                                                                                                                                                                                                                                                                                                                | 60 Ohm                                    | Number of Circuits                 | 1                                     |
| Multiplexer/Demultiplexer Circuit                                                                                                                                                                                                                                                                                                                                                        | 2:1                                       | Moisture Sensitivity Level (MSL)   | 1 (Unlimited)                         |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                           | Contains lead / RoHS non-compliant        | Detailed Description               | 1 Circuit IC Switch 2:1 60 Ohm 8-SOIC |
| Current - Leakage (IS(off)) (Max)                                                                                                                                                                                                                                                                                                                                                        | 100pA                                     | Crosstalk                          | -90dB @ 1MHz                          |
| Charge Injection                                                                                                                                                                                                                                                                                                                                                                         | 1pC                                       | Channel-to-Channel Matching (ΔRon) | 800 mOhm                              |
| Channel Capacitance (CS(off), CD(off))                                                                                                                                                                                                                                                                                                                                                   | 8pF, 8pF                                  | Base Part Number                   | ISL84544                              |
| -3db Bandwidth                                                                                                                                                                                                                                                                                                                                                                           | -                                         |                                    |                                       |
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|  | Part#: <a href="#">ISL84543IHZ-T</a><br>Description: IC SWITCH DUAL SPST SOT23-8 | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL84544CP</a><br>Description: IC SWITCH SPDT 8DIP            | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL84544IBZ</a><br>Description: IC SWITCH SPDT 8SOIC          | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL84544IB-T</a><br>Description: IC SWITCH SPDT 8SOIC         | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL84581IAZ</a><br>Description: IC MULTIPLEXER 8X1 16QSOP     | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL84544IH-T</a><br>Description: IC SWITCH SPDT SOT23-6       | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
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