

MAX309CUE+



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**Part Number:** [MAX309CUE+](#)

**Manufacturer:** [Maxim Integrated](#)

**Description:** IC MULTIPLEXER 4X1 16TSSOP

**Data sheet:**  [MAX308-09](#)  
 [Part Numbering System](#)

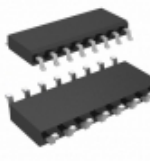
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                        |                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------|--------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                              | MAX309CUE+                                | Manufacturer                           | <a href="#">Maxim Integrated</a>                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MULTIPLEXER 4X1 16TSSOP                | Lead Free Status / RoHS Status         | Lead free / RoHS Compliant                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                       | 17494 pcs                                 | Data sheet                             | <a href="#">MAX308-09</a><br><a href="#">Part Numbering System</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Single (V+)          | 5 V ~ 30 V                                                         |
| Voltage - Supply, Dual (V±)                                                                                                                                                                                                                                                                                                                                                                                                                              | ±5 V ~ 20 V                               | Switch Time (Ton, Toff) (Max)          | 150ns, 150ns                                                       |
| Switch Circuit                                                                                                                                                                                                                                                                                                                                                                                                                                           | SP4T                                      | Supplier Device Package                | 16-TSSOP                                                           |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                         | Packaging                              | Tube                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                           | 16-TSSOP (0.173", 4.40mm Width)           | Operating Temperature                  | 0°C ~ 70°C (TA)                                                    |
| On-State Resistance (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                | 100 Ohm                                   | Number of Circuits                     | 2                                                                  |
| Multiplexer/Demultiplexer Circuit                                                                                                                                                                                                                                                                                                                                                                                                                        | 4:1                                       | Moisture Sensitivity Level (MSL)       | 1 (Unlimited)                                                      |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                          | 6 Weeks                                   | Lead Free Status / RoHS Status         | Lead free / RoHS Compliant                                         |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2 Circuit IC Switch 4:1 100 Ohm 16-TSSOP  | Current - Leakage (IS(off)) (Max)      | 750pA                                                              |
| Crosstalk                                                                                                                                                                                                                                                                                                                                                                                                                                                | -92dB @ 100kHz                            | Charge Injection                       | 2pC                                                                |
| Channel-to-Channel Matching (ΔRon)                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.5 Ohm                                   | Channel Capacitance (CS(off), CD(off)) | 3pF, 26pF                                                          |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                         | MAX309                                    | -3db Bandwidth                         | -                                                                  |
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|  | Part#: <a href="#">MAX3100CEE</a><br>Description: IC UART SPI/MICROWIRE COMP 16QSOP   | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MAX309EUE+T</a><br>Description: IC MULTIPLEXER 4X1 16TSSOP         | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX309CUE+T</a><br>Description: IC MULTIPLEXER 4X1 16TSSOP         | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX30K000B</a><br>Description: RES 30K OHM 0.1% 0.3W RADIAL        | Manufacturers: <a href="#">Vishay Precision Group</a> | <a href="#">RFQ</a> |

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