

MAX306CWI+T



Part Number: [MAX306CWI+T](#)

Manufacturer: [Maxim Integrated](#)

Description: IC MULTIPLEXER 16X1 28SOIC

Data sheet:  [Part Numbering System](#)  
 [MAX306,307](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                        |                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------|---------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                               | MAX306CWI+T                               | Manufacturer                           | <a href="#">Maxim Integrated</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MULTIPLEXER 16X1 28SOIC                | Lead Free Status / RoHS Status         | Lead free / RoHS Compliant                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                        | 13583 pcs                                 | Data sheet                             | <a href="#">Part Numbering System</a><br><a href="#">MAX306,307</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Single (V+)          | 5 V ~ 30 V                                                          |
| Voltage - Supply, Dual (V±)                                                                                                                                                                                                                                                                                                                                                                                                                               | ±4.5 V ~ 20 V                             | Switch Time (Ton, Toff) (Max)          | 200ns, 150ns                                                        |
| Switch Circuit                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                         | Supplier Device Package                | 28-SOIC                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                         | Packaging                              | Tape & Reel (TR)                                                    |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                            | 28-SOIC (0.295", 7.50mm Width)            | Operating Temperature                  | 0°C ~ 70°C (TA)                                                     |
| On-State Resistance (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                 | 100 Ohm                                   | Number of Circuits                     | 1                                                                   |
| Multiplexer/Demultiplexer Circuit                                                                                                                                                                                                                                                                                                                                                                                                                         | 16:1                                      | Moisture Sensitivity Level (MSL)       | 1 (Unlimited)                                                       |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                           | 6 Weeks                                   | Lead Free Status / RoHS Status         | Lead free / RoHS Compliant                                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1 Circuit IC Switch 16:1 100 Ohm 28-SOIC  | Current - Leakage (IS(off)) (Max)      | 500pA                                                               |
| Crosstalk                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -92dB @ 100kHz                            | Charge Injection                       | 2pC                                                                 |
| Channel-to-Channel Matching (ΔRon)                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.5 Ohm                                   | Channel Capacitance (CS(off), CD(off)) | 8pF, 130pF                                                          |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                          | MAX306                                    | -3db Bandwidth                         | -                                                                   |
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|  | Part#: <a href="#">MAX3061EEKA#TG16</a><br>Description: IC TXRX RS485/422 20MBPS SOT23-8 | Manufacturers: <a href="#">Maxim Integrated</a> | RFQ |
|  | Part#: <a href="#">MAX306EQI</a><br>Description: IC MULTIPLEXER 16X1 28PLCC              | Manufacturers: <a href="#">Maxim Integrated</a> | RFQ |
|  | Part#: <a href="#">MAX306CWI</a><br>Description: IC MULTIPLEXER 16X1 28SOIC              | Manufacturers: <a href="#">Maxim Integrated</a> | RFQ |
|  | Part#: <a href="#">MAX306EUI+T</a><br>Description: IC MULTIPLEXER 16X1 28TSSOP           | Manufacturers: <a href="#">Maxim Integrated</a> | RFQ |
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|  | Part#: <a href="#">MAX3070EASD+</a><br>Description: IC TXRX RS485/422 14-SOIC            | Manufacturers: <a href="#">Maxim Integrated</a> | RFQ |
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|  | Part#: <a href="#">MAX3062EEKA#TG16</a><br>Description: IC TXRX RS485/422 20MBPS SOT23-8 | Manufacturers: <a href="#">Maxim Integrated</a> | RFQ |
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