

MAX4580EAE+



Part Number: [MAX4580EAE+](#)

Manufacturer: [Maxim Integrated](#)

Description: IC SWITCH DUAL SPST 16SSOP

Data sheet:  [MAX4580/90, MAX4600](#)  
 [Part Numbering System](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

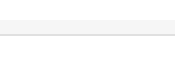
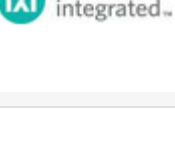
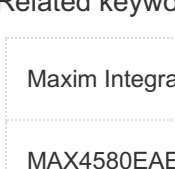
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Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                  |                                           |                                        |                                                                              |
|------------------------------------|-------------------------------------------|----------------------------------------|------------------------------------------------------------------------------|
| Part Number                        | MAX4580EAE+                               | Manufacturer                           | <a href="#">Maxim Integrated</a>                                             |
| Description                        | IC SWITCH DUAL SPST 16SSOP                | Lead Free Status / RoHS Status         | Lead free / RoHS Compliant                                                   |
| Quantity Available                 | 7824 pcs                                  | Data sheet                             | <a href="#">MAX4580/90, MAX4600</a><br><a href="#">Part Numbering System</a> |
| Category                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Single (V+)          | 4.5 V ~ 36 V                                                                 |
| Voltage - Supply, Dual (V±)        | ±4.5 V ~ 20 V                             | Switch Time (Ton, Toff) (Max)          | 160ns, 210ns                                                                 |
| Switch Circuit                     | SPST - NC                                 | Supplier Device Package                | 16-SSOP                                                                      |
| Series                             | -                                         | Packaging                              | Tube                                                                         |
| Package / Case                     | 16-SSOP (0.209", 5.30mm Width)            | Operating Temperature                  | -40°C ~ 85°C (TA)                                                            |
| On-State Resistance (Max)          | 1.25 Ohm                                  | Number of Circuits                     | 2                                                                            |
| Multiplexer/Demultiplexer Circuit  | 1:1                                       | 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 1:1 1.25 Ohm 16-SSOP  | Current - Leakage (IS(off)) (Max)      | 500pA                                                                        |
| Crosstalk                          | -65dB @ 1MHz                              | Charge Injection                       | -60pC                                                                        |
| Channel-to-Channel Matching (ΔRon) | 500 mOhm                                  | Channel Capacitance (CS(off), CD(off)) | 115pF                                                                        |
| Base Part Number                   | MAX4580                                   | -3db Bandwidth                         | -                                                                            |

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|  | Part#: <a href="#">MAX4581AUE+T</a><br>Description: IC MULTIPLEXER 8X1 16TSSOP     | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX4580CWE+</a><br>Description: IC SWITCH DUAL SPST 16SOIC      | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MAX4580CAE+T</a><br>Description: IC SWITCH DUAL SPST 16SSOP     | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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