

MAX4051AESE+



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maxim  
integrated™

Part Number: [MAX4051AESE+](#)

Manufacturer: [Maxim Integrated](#)

Description: IC MULTIPLEXER 8X1 16SOIC

Data sheet:  [MAX4051\(A\)-53\(A\)](#)  
 [Part Numbering System](#)

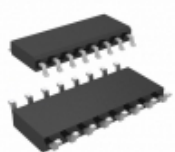
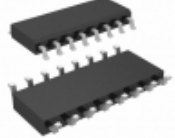
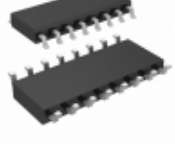
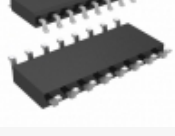
RoHs Status: Lead free / RoHS Compliant

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |                                        |                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------|---------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                | MAX4051AESE+                              | Manufacturer                           | <a href="#">Maxim Integrated</a>                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                | IC MULTIPLEXER 8X1 16SOIC                 | Lead Free Status / RoHS Status         | Lead free / RoHS Compliant                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                         | 41335 pcs                                 | Data sheet                             | <a href="#">MAX4051(A)-53(A)</a><br><a href="#">Part Numbering System</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Single (V+)          | 2 V ~ 16 V                                                                |
| Voltage - Supply, Dual (V±)                                                                                                                                                                                                                                                                                                                                                                                                                                | ±2.7 V ~ 8 V                              | Switch Time (Ton, Toff) (Max)          | 175ns, 150ns                                                              |
| Switch Circuit                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                         | Supplier Device Package                | 16-SO                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                         | Packaging                              | Tube                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                             | 16-SOIC (0.154", 3.90mm Width)            | Operating Temperature                  | -40°C ~ 85°C (TA)                                                         |
| On-State Resistance (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                  | 100 Ohm                                   | Number of Circuits                     | 1                                                                         |
| Multiplexer/Demultiplexer Circuit                                                                                                                                                                                                                                                                                                                                                                                                                          | 8:1                                       | 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 8:1 100 Ohm 16-SO     | Current - Leakage (IS(off)) (Max)      | 100pA                                                                     |
| Crosstalk                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -90dB @ 100kHz                            | Charge Injection                       | 2pC                                                                       |
| Channel-to-Channel Matching (ΔRon)                                                                                                                                                                                                                                                                                                                                                                                                                         | 6 Ohm (Max)                               | Channel Capacitance (CS(off), CD(off)) | 2pF, 2pF                                                                  |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                           | MAX4051                                   | -3db Bandwidth                         | -                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                                  |                                                 |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------|----------------|
|  | Part#: <a href="#">MAX4051ACPE+</a><br>Description: IC MULTIPLEXER 8X1 16DIP     | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MAX4051ACSE+T</a><br>Description: IC MULTIPLEXER 8X1 16SOIC   | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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