

MAX4583ASE+



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Part Number: [MAX4583ASE+](#)

Manufacturer: [Maxim Integrated](#)

Description: IC SWITCH TRIPLE SPDT 16SOIC

Data sheet:  [MAX4581-83](#)  
 [Part Numbering System](#)

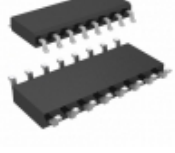
RoHs Status: Lead free / RoHS Compliant

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                        |                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------|---------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                               | MAX4583ASE+                               | Manufacturer                           | <a href="#">Maxim Integrated</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC SWITCH TRIPLE SPDT 16SOIC              | Lead Free Status / RoHS Status         | Lead free / RoHS Compliant                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                        | 55336 pcs                                 | Data sheet                             | <a href="#">MAX4581-83</a><br><a href="#">Part Numbering System</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Single (V+)          | 2 V ~ 12 V                                                          |
| Voltage - Supply, Dual (V±)                                                                                                                                                                                                                                                                                                                                                                                                                               | ±2 V ~ 6 V                                | Switch Time (Ton, Toff) (Max)          | 200ns, 100ns                                                        |
| Switch Circuit                                                                                                                                                                                                                                                                                                                                                                                                                                            | SPDT                                      | Supplier Device Package                | 16-SO                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                         | Packaging                              | Tube                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                            | 16-SOIC (0.154", 3.90mm Width)            | Operating Temperature                  | -40°C ~ 125°C (TA)                                                  |
| On-State Resistance (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                 | 80 Ohm                                    | Number of Circuits                     | 3                                                                   |
| Multiplexer/Demultiplexer Circuit                                                                                                                                                                                                                                                                                                                                                                                                                         | 2:1                                       | Moisture Sensitivity Level (MSL)       | 1 (Unlimited)                                                       |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                           | 6 Weeks                                   | Lead Free Status / RoHS Status         | Lead free / RoHS Compliant                                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 Circuit IC Switch 2:1 80 Ohm 16-SO      | Current - Leakage (IS(off)) (Max)      | 1nA                                                                 |
| Crosstalk                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -73dB @ 1MHz                              | Charge Injection                       | 0.5pC                                                               |
| Channel-to-Channel Matching (ΔRon)                                                                                                                                                                                                                                                                                                                                                                                                                        | 1 Ohm                                     | Channel Capacitance (CS(off), CD(off)) | 4pF, 6pF                                                            |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                          | MAX4583                                   | -3db Bandwidth                         | -                                                                   |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                 |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------|----------------|
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|  | Part#: <a href="#">MAX4583EEE+</a><br>Description: IC SWITCH TRIPLE SPDT 16QSOP     | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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