

MAX4516CSA+



Part Number: [MAX4516CSA+](#)

Manufacturer: [Maxim Integrated](#)

Description: IC SWITCH SPST 8SOIC

Data sheet:  [MAX4516-17](#)  
 [Part Numbering System](#)

RoHs Status: Lead free / RoHS Compliant

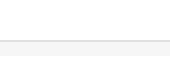
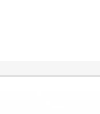
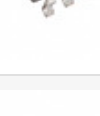
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                        |                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------|---------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                               | MAX4516CSA+                               | Manufacturer                           | <a href="#">Maxim Integrated</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC SWITCH SPST 8SOIC                      | Lead Free Status / RoHS Status         | Lead free / RoHS Compliant                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                        | 65055 pcs                                 | Data sheet                             | <a href="#">MAX4516-17</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±)                                                                                                                                                                                                                                                                                                                                                                                                                               | ±1 V ~ 6 V                                | Switch Time (Ton, Toff) (Max)          | 100ns, 75ns                                                         |
| Switch Circuit                                                                                                                                                                                                                                                                                                                                                                                                                                            | SPST - NO                                 | Supplier Device Package                | 8-SOIC                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                         | Packaging                              | Tube                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8-SOIC (0.154", 3.90mm Width)             | Operating Temperature                  | 0°C ~ 70°C (TA)                                                     |
| On-State Resistance (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20 Ohm                                    | Number of Circuits                     | 1                                                                   |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1 Circuit IC Switch 1:1 20 Ohm 8-SOIC     | Current - Leakage (IS(off)) (Max)      | 1nA                                                                 |
| Crosstalk                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                         | Charge Injection                       | 10pC                                                                |
| Channel-to-Channel Matching (ΔRon)                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                         | Channel Capacitance (CS(off), CD(off)) | 9pF, 9pF                                                            |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                          | MAX4516                                   | -3db Bandwidth                         | -                                                                   |
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|  | Part#: <a href="#">MAX4516CUK-T</a><br>Description: IC SWITCH SPST SOT23-5           | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX4516CUK+T</a><br>Description: IC SWITCH ANLG DUAL SPST SOT23-5 | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX4515EUK+T</a><br>Description: IC SWITCH SPST SOT23-5           | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MAX4516ESA</a><br>Description: IC SW DUAL CMOS SPST N/O 8-SOIC    | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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