

MAX4523ESE+T



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maxim  
integrated™

Part Number: [MAX4523ESE+T](#)

Manufacturer: [Maxim Integrated](#)

Description: IC SWITCH QUAD SPST 16SOIC

Data sheet:  [MAX4521-23](#)  
 [Part Numbering System](#)

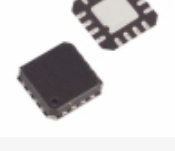
RoHs Status: Lead free / RoHS Compliant

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                    |                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------|---------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                               | MAX4523ESE+T                              | Manufacturer                       | <a href="#">Maxim Integrated</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC SWITCH QUAD SPST 16SOIC                | Lead Free Status / RoHS Status     | Lead free / RoHS Compliant                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5863 pcs                                  | Data sheet                         | <a href="#">MAX4521-23</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)      | 80ns, 30ns                                                          |
| Switch Circuit                                                                                                                                                                                                                                                                                                                                                                                                                                            | SPST - NO/NC                              | Supplier Device Package            | 16-SO                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                         | Packaging                          | Tape & Reel (TR)                                                    |
| 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                 | 4                                                                   |
| Multiplexer/Demultiplexer Circuit                                                                                                                                                                                                                                                                                                                                                                                                                         | 1:1                                       | Moisture Sensitivity Level (MSL)   | 1 (Unlimited)                                                       |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                            | Lead free / RoHS Compliant                | Detailed Description               | 4 Circuit IC Switch 1:1 100 Ohm 16-SO                               |
| Current - Leakage (IS(off)) (Max)                                                                                                                                                                                                                                                                                                                                                                                                                         | 1nA                                       | Crosstalk                          | -90dB @ 100kHz                                                      |
| Charge Injection                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1pC                                       | Channel-to-Channel Matching (ΔRon) | 1 Ohm                                                               |
| Channel Capacitance (CS(off), CD(off))                                                                                                                                                                                                                                                                                                                                                                                                                    | 2pF, 2pF                                  | Base Part Number                   | MAX4523                                                             |
| -3db Bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                         |                                    |                                                                     |
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