

MAX4538EEE



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Part Number: [MAX4538EEE](#)

Manufacturer: [Maxim Integrated](#)

Description: IC SW QUAD ANLG SPST 16-QSOP

Data sheet:  [MAX4536-38](#)  
 [Part Numbering System](#)

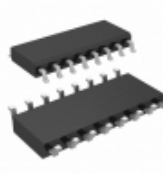
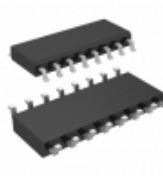
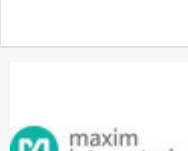
RoHs Status: Contains lead / RoHS non-compliant

Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                    |                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------|---------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                             | MAX4538EEE                                | Manufacturer                       | <a href="#">Maxim Integrated</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC SW QUAD ANLG SPST 16-QSOP              | Lead Free Status / RoHS Status     | Contains lead / RoHS non-compliant                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5692 pcs                                  | Data sheet                         | <a href="#">MAX4536-38</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)      | 100ns, 50ns                                                         |
| Switch Circuit                                                                                                                                                                                                                                                                                                                                                                                                                                          | SPST - NO/NC                              | Supplier Device Package            | 16-QSOP                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                         | Packaging                          | Tube                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                          | 16-SSOP (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                                                                                                                                                                                                                                                                                                                                                                                                                          | Contains lead / RoHS non-compliant        | Detailed Description               | 4 Circuit IC Switch 1:1 100 Ohm 16-QSOP                             |
| Current - Leakage (IS(off)) (Max)                                                                                                                                                                                                                                                                                                                                                                                                                       | 2nA                                       | Crosstalk                          | -75dB @ 1MHz                                                        |
| Charge Injection                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1pC                                       | Channel-to-Channel Matching (ΔRon) | 1 Ohm                                                               |
| Channel Capacitance (CS(off), CD(off))                                                                                                                                                                                                                                                                                                                                                                                                                  | 2pF, 2pF                                  | Base Part Number                   | MAX4538                                                             |
| -3db Bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                         |                                    |                                                                     |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                 |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------|---------------------|
|  | Part#: <a href="#">MAX4537EEE</a><br>Description: IC SWITCH QUAD SPST 16QSOP        | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX4538CSE</a><br>Description: IC SW QUAD ANLG SPST 16-SOIC      | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX4538CEE</a><br>Description: IC SWITCH QUAD SPST 16QSOP        | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX4537ESE</a><br>Description: IC SWITCH QUAD SPST 16SOIC        | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX4538ESE+</a><br>Description: IC ANLG SWITCH SPST QUAD 16SOIC  | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX4537EPE</a><br>Description: IC SWITCH QUAD SPST 16DIP         | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX453CPA+</a><br>Description: IC MUX/VIDEOAMP 2CH 50MHZ 8-DIP   | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX4539CAP</a><br>Description: IC MULTIPLEXER 8X1 20SSOP         | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX453CPA</a><br>Description: IC MUX/VIDEOAMP 2CH 50MHZ 8-DIP    | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX4537CPE</a><br>Description: IC SW QUAD ANLG SPST 16-DIP       | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX4537CSE</a><br>Description: IC SW QUAD ANLG SPST 16-SOIC      | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX4538CPE</a><br>Description: IC SWITCH QUAD SPST 16DIP         | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX4537CEE</a><br>Description: IC SWITCH QUAD SPST 16QSOP        | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX4538ESE+T</a><br>Description: IC ANLG SWITCH SPST QUAD 16SOIC | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX4539CWP</a><br>Description: IC MUX CAL 8-1 LV CMOS 20-SOIC    | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX4538ESE</a><br>Description: IC ANLG SWITCH SPST QUAD 16SOIC   | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX4538EPE</a><br>Description: IC SW QUAD ANLG SPST 16-DIP       | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX4538CEE+</a><br>Description: IC SWITCH QUAD SPST 16QSOP       | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX453CSA+</a><br>Description: IC ANLG SWITCH PHASE-REV 8-SOIC   | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX453CSA+T</a><br>Description: IC ANLG SWITCH PHASE-REV 8-SOIC  | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |

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