

MAX978EEEE+T



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**Part Number:** [MAX978EEEE+T](#)

**Manufacturer:** [Maxim Integrated](#)

**Description:** IC COMPARATOR QUAD 16-QSOP

**Data sheet:**  [MAX976,978,998](#)  
 [Part Numbering System](#)

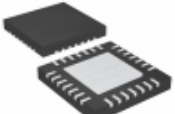
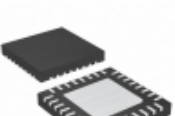
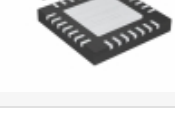
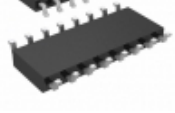
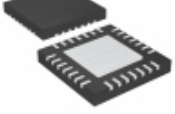
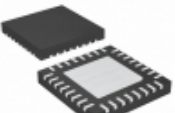
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |                                   |                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------|-------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                | MAX978EEEE+T                              | Manufacturer                      | <a href="#">Maxim Integrated</a>                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                | IC COMPARATOR QUAD 16-QSOP                | Lead Free Status / RoHS Status    | Lead free / RoHS Compliant                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                         | 29236 pcs                                 | Data sheet                        | <a href="#">MAX976,978,998</a><br><a href="#">Part Numbering System</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Single/Dual (±) | 2.7 V ~ 5.5 V                                                           |
| Voltage - Input Offset (Max)                                                                                                                                                                                                                                                                                                                                                                                                                               | 2mV @ 5V                                  | Type                              | General Purpose                                                         |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                    | 16-QSOP                                   | Series                            | -                                                                       |
| Propagation Delay (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                    | 28ns                                      | Packaging                         | Tape & Reel (TR)                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                             | 16-SSOP (0.154", 3.90mm Width)            | Output Type                       | CMOS, Rail-to-Rail, TTL                                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                      | -40°C ~ 85°C                              | Number of Elements                | 4                                                                       |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                              | Surface Mount                             | Moisture Sensitivity Level (MSL)  | 1 (Unlimited)                                                           |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                            | 6 Weeks                                   | Lead Free Status / RoHS Status    | Lead free / RoHS Compliant                                              |
| Hysteresis                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4mV                                       | Detailed Description              | Comparator General Purpose CMOS, Rail-to-Rail, TTL 16-QSOP              |
| Current - Quiescent (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                  | 650µA                                     | Current - Output (Typ)            | -                                                                       |
| Current - Input Bias (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.075µA @ 5.5V                            | CMRR, PSRR (Typ)                  | 95dB CMRR, 100dB PSRR                                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                           | MAX978                                    |                                   |                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                 |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------|---------------------|
|  | Part#: <a href="#">MAX9789AEVKIT+</a><br>Description: EVALUATION KIT FOR MAX9789A       | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX9791BETI+T</a><br>Description: IC AMP AUDIO 2.2W STER D 28TQFN    | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX978EEEE+</a><br>Description: IC COMPARATOR QUAD 16-QSOP           | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX978ESE+T</a><br>Description: IC COMPARATOR QUAD 16-SOIC           | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX9789AETJ+T</a><br>Description: IC AMP AUDIO 2W STER AB 32TQFN     | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX9790AETJ+</a><br>Description: IC AMP AUDIO 2W STER AB 32TQFN      | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX9789CETJ+T</a><br>Description: IC AMP AUDIO 2W STER AB 32TQFN     | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX9789BETJ+</a><br>Description: IC AMP AUDIO 2W STER AB 32TQFN      | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MAX978ESE+</a><br>Description: IC COMPARATOR QUAD 16-SOIC            | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX9791AETI+</a><br>Description: IC AMP AUDIO 2.2W STER D 28TQFN     | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX9789CETJ+</a><br>Description: IC AMP AUDIO 2W STER AB 32TQFN      | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MAX9790AETJ+T</a><br>Description: IC AMP AUDIO 2W STER AB 32TQFN     | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX9791BETI+</a><br>Description: IC AMP AUDIO 2.2W STER D 28TQFN     | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX9789BETJ+T</a><br>Description: IC AMP AUDIO 2W STER AB 32TQFN     | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX9788EVKIT+</a><br>Description: EVALUATION KIT FOR MAX9788         | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX9789AETJ+</a><br>Description: IC AMP AUDIO 2W STER AB 32TQFN      | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX9791AETI+T</a><br>Description: IC AMP AUDIO 2.2W STER D 28TQFN    | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |

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