

MAX942CUA+



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Part Number: [MAX942CUA+](#)

Manufacturer: [Maxim Integrated](#)

Description: IC COMPARATOR R-R 8-UMAX

Data sheet:  [Part Numbering System](#)  
 [MAX941/2/4](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                   |                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------|---------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                              | MAX942CUA+                                | Manufacturer                      | <a href="#">Maxim Integrated</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC COMPARATOR R-R 8-UMAX                  | Lead Free Status / RoHS Status    | Lead free / RoHS Compliant                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                       | 26782 pcs                                 | Data sheet                        | <a href="#">Part Numbering System</a><br><a href="#">MAX941/2/4</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Single/Dual (±) | 2.7 V ~ 5.5 V                                                       |
| Voltage - Input Offset (Max)                                                                                                                                                                                                                                                                                                                                                                                                                             | 3mV @ 5.5V                                | Type                              | General Purpose                                                     |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8-UMAX                                    | Series                            | -                                                                   |
| Propagation Delay (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                  | 80ns                                      | Packaging                         | Tube                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)    | Output Type                       | CMOS, Push-Pull, TTL                                                |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0°C ~ 70°C                                | Number of Elements                | 2                                                                   |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                         | Detailed Description              | Comparator General Purpose CMOS, Push-Pull, TTL 8-uMAX              |
| Current - Quiescent (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                | 600µA                                     | Current - Output (Typ)            | -                                                                   |
| Current - Input Bias (Max)                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.15µA @ 5.5V                             | CMRR, PSRR (Typ)                  | 81.94dB CMRR, 81.94dB PSRR                                          |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                         | MAX942                                    |                                   |                                                                     |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                 |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------|----------------|
|  | Part#: <a href="#">MAX942CSA-T</a><br>Description: IC COMPARATOR DUAL R-R LP 8-SOIC | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX942CSA</a><br>Description: IC COMPARATOR DUAL 3V/5V 8-SOIC    | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX942EUA+</a><br>Description: IC COMPARATOR R-R 8-UMAX          | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX942EPA</a><br>Description: IC COMPARATOR DUAL R-R LP 8-DIP    | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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