

MAX145ACUA+T



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**Part Number:** [MAX145ACUA+T](#)

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

**Description:** IC ADC 12BIT 108KSPS 8-UMAX

**Data sheet:**  [Part Numbering System](#)  
 [MAX144,145](#)

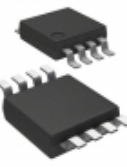
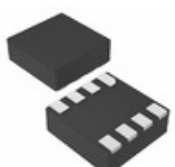
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |                                 |                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|---------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                | MAX145ACUA+T                              | Manufacturer                    | <a href="#">Maxim Integrated</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                | IC ADC 12BIT 108KSPS 8-UMAX               | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                         | 12279 pcs                                 | Data sheet                      | <a href="#">Part Numbering System</a><br><a href="#">MAX144,145</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Digital       | 2.7 V ~ 5.25 V                                                      |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2.7 V ~ 5.25 V                            | Supplier Device Package         | 8-uMAX                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                         | Sampling Rate (Per Second)      | 108k                                                                |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                             | External                                  | Ratio - S/H:ADC                 | 1:1                                                                 |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Tape & Reel (TR)                          | Package / Case                  | 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0°C ~ 70°C                                | Number of Inputs                | 1                                                                   |
| Number of Bits                                                                                                                                                                                                                                                                                                                                                                                                                                             | 12                                        | Number of A/D Converters        | 1                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                           | 1 (Unlimited)                             | Manufacturer Standard Lead Time | 6 Weeks                                                             |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                             | Lead free / RoHS Compliant                | Input Type                      | Pseudo-Differential                                                 |
| Features                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                         | Detailed Description            | 12 Bit Analog to Digital Converter 1 Input 1 SAR 8-uMAX             |
| Data Interface                                                                                                                                                                                                                                                                                                                                                                                                                                             | SPI                                       | Configuration                   | MUX-S/H-ADC                                                         |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                           | MAX145                                    | Architecture                    | SAR                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                 |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------|----------------|
|  | Part#: <a href="#">MAX14592EEWE+T</a><br>Description: IC USB CHARGER DETECTION WLP    | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX145AEUA</a><br>Description: IC ADC LP 12-BIT 108KSPS 8-UMAX     | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX145ACUA</a><br>Description: IC ADC LP 12-BIT 108KSPS 8-UMAX     | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX145BCUA+T</a><br>Description: IC ADC 12BIT 108KSPS 8-UMAX       | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MAX14595EWA+T</a><br>Description: IC TRNSLTR BIDIRECTIONAL 8WLP    | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX145AEPA+</a><br>Description: IC ADC 12BIT 108KSPS 8-DIP         | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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