

MAX1082BCUE+T



Part Number: [MAX1082BCUE+T](#)

Manufacturer: [Maxim Integrated](#)

Description: IC ADC 10BIT 400KSPS 16-TSSOP

Data sheet:  [Part Numbering System](#)  
 [MAX1082,83](#)

RoHs Status: Lead free / RoHS Compliant

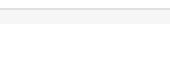
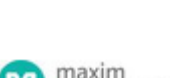
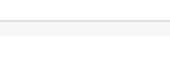
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |                                 |                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|---------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MAX1082BCUE+T                             | Manufacturer                    | <a href="#">Maxim Integrated</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC ADC 10BIT 400KSPS 16-TSSOP             | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                          | 13064 pcs                                 | Data sheet                      | <a href="#">Part Numbering System</a><br><a href="#">MAX1082,83</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Digital       | 5V                                                                  |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5V                                        | Supplier Device Package         | 16-TSSOP                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                         | Sampling Rate (Per Second)      | 400k                                                                |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                              | External, Internal                        | Ratio - S/H:ADC                 | 1:1                                                                 |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Tape & Reel (TR)                          | Package / Case                  | 16-TSSOP (0.173", 4.40mm Width)                                     |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0°C ~ 70°C                                | Number of Inputs                | 2, 4                                                                |
| Number of Bits                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10                                        | 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, Single Ended                                   |
| Features                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                         | Detailed Description            | 10 Bit Analog to Digital Converter 2, 4 Input 1 SAR 16-TSSOP        |
| Data Interface                                                                                                                                                                                                                                                                                                                                                                                                                                              | SPI                                       | Configuration                   | MUX-S/H-ADC                                                         |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                            | MAX1082                                   | Architecture                    | SAR                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                 |                |
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|  | Part#: <a href="#">MAX1083BCUE+</a><br>Description: IC ADC 10BIT 300KSPS 16-TSSOP   | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX1081BEUP+T</a><br>Description: IC ADC 10BIT 300KSPS 20-TSSOP  | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX1084AESA</a><br>Description: IC ADC LP 10-BIT 400KSPS 8-SOIC  | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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