

MAX166BEWP+



Part Number: [MAX166BEWP+](#)

Manufacturer: [Maxim Integrated](#)

Description: IC ADC 8BIT MPU COMP 20-SOIC

Data sheet:  [MAX166](#)  
 [Part Numbering System](#)

RoHS Status: Lead free / RoHS Compliant

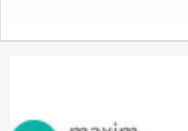
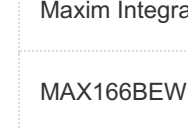
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Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                         |                                |                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------|-----------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                              | MAX166BEWP+                                             | Manufacturer                   | <a href="#">Maxim Integrated</a>                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC ADC 8BIT MPU COMP 20-SOIC                            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                       | 9861 pcs                                                | Data sheet                     | <a href="#">MAX166</a><br><a href="#">Part Numbering System</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>               | Voltage - Supply, Digital      | 5V                                                              |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5V                                                      | Supplier Device Package        | 20-SOIC                                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                                       | Sampling Rate (Per Second)     | 200k                                                            |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                           | External, Internal                                      | Ratio - S/H:ADC                | 1:1                                                             |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tube                                                    | Package / Case                 | 20-SOIC (0.295", 7.50mm Width)                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 85°C                                            | Number of Inputs               | 1                                                               |
| Number of Bits                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8                                                       | Number of A/D Converters       | 1                                                               |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 (Unlimited)                                           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                      |
| Input Type                                                                                                                                                                                                                                                                                                                                                                                                                                               | Differential                                            | Features                       | -                                                               |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8 Bit Analog to Digital Converter 1 Input 1 SAR 20-SOIC | Data Interface                 | Parallel                                                        |
| Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                            | S/H-ADC                                                 | Base Part Number               | MAX166                                                          |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                             | SAR                                                     |                                |                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                    |                                                 |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------|----------------|
|  | Part#: <a href="#">MAX166BCPP+</a><br>Description: IC ADC CMOS 8BIT UP COMP 20-DIP | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX166BEWP</a><br>Description: IC ADC 8-BIT T/H&REF CMOS 20SOIC | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX166CEWP</a><br>Description: IC ADC 8-BIT T/H&REF CMOS 20SOIC | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX166CCPP+</a><br>Description: IC ADC 8BIT MPU COMP 20-DIP     | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX166DCWP</a><br>Description: IC ADC 8-BIT T/H&REF CMOS 20SOIC | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX166AEPP</a><br>Description: IC ADC 8-BIT T/H&REF CMOS 20-DIP | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MAX166DEWP</a><br>Description: IC ADC 8-BIT T/H&REF CMOS 20SOIC | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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