

MAX165ACWN+





**Part Number:** [MAX165ACWN+](#)

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

**Description:** IC ADC 8BIT MPU-COMPATIBL 18SOIC

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

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

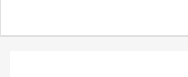
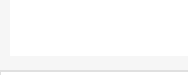
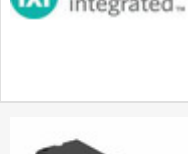
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                 |                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|-----------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                               | MAX165ACWN+                               | Manufacturer                    | <a href="#">Maxim Integrated</a>                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC ADC 8BIT MPU-COMPATIBL 18SOIC          | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                        | 11503 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         | 18-SOIC                                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                         | Sampling Rate (Per Second)      | 200k                                                            |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                            | External, Internal                        | Ratio - S/H:ADC                 | 1:1                                                             |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Tube                                      | Package / Case                  | 18-SOIC (0.295", 7.50mm Width)                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0°C ~ 70°C                                | Number of Inputs                | 1                                                               |
| Number of Bits                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8                                         | 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                      | Single Ended                                                    |
| Features                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                         | Detailed Description            | 8 Bit Analog to Digital Converter 1 Input 1 SAR 18-SOIC         |
| Data Interface                                                                                                                                                                                                                                                                                                                                                                                                                                            | Parallel                                  | Configuration                   | S/H-ADC                                                         |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                          | MAX165                                    | Architecture                    | SAR                                                             |
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| RELATED PRODUCTS                                                                   |                                                                                      |                                                 |                |
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|  | Part#: <a href="#">MAX1655ESE+T</a><br>Description: IC REG CTRLR BUCK 16SOIC         | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MAX165ACPN+</a><br>Description: IC ADC CMOS 8BIT UP COMP 18-DIP   | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX1659ESA</a><br>Description: IC REG LIN POS ADJ 350MA 8SOIC     | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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