

MAX145BCPA



Part Number: [MAX145BCPA](#)

Manufacturer: [Maxim Integrated](#)

Description: IC ADC LP 12-BIT 108KSPS 8-DIP

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

RoHS Status: Contains lead / RoHS non-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                                                                                                                                                                                                                                                                                                                                                                                                                                             | MAX145BCPA                                              | Manufacturer                   | <a href="#">Maxim Integrated</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC ADC LP 12-BIT 108KSPS 8-DIP                          | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5947 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-PDIP                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                                       | Sampling Rate (Per Second)     | 108k                                                                |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                          | External                                                | Ratio - S/H:ADC                | 1:1                                                                 |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                               | Tube                                                    | Package / Case                 | 8-DIP (0.300", 7.62mm)                                              |
| 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)                                           | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                  |
| Input Type                                                                                                                                                                                                                                                                                                                                                                                                                                              | Pseudo-Differential                                     | Features                       | -                                                                   |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                    | 12 Bit Analog to Digital Converter 1 Input 1 SAR 8-PDIP | Data Interface                 | SPI                                                                 |
| Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                           | MUX-S/H-ADC                                             | Base Part Number               | MAX145                                                              |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                            | SAR                                                     |                                |                                                                     |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                       |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------|----------------|
|  | Part#: <a href="#">MAX145AEPA+</a><br>Description: IC ADC 12BIT 108KSPS 8-DIP         | Manufacturers: <a href="#">Maxim Integrated</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">MAX14600ETA+T</a><br>Description: IC USB HOST ADAPTR EMULATOR TDFN | Manufacturers: <a href="#">Maxim Integrated</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">MAX145ACUA+T</a><br>Description: IC ADC 12BIT 108KSPS 8-UMAX       | Manufacturers: <a href="#">Maxim Integrated</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">MAX145BEUA</a><br>Description: IC ADC LP 12-BIT 108KSPS 8-UMAX     | Manufacturers: <a href="#">Maxim Integrated</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">MAX145BCUA+</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="#">MAX145R00D</a><br>Description: RES 145 OHM 0.5% 0.3W RADIAL        | Manufacturers: <a href="#">Vishay Precision Group</a> | <div>RFQ</div> |
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