

MAX1242AESA



Part Number: [MAX1242AESA](#)

Manufacturer: [Maxim Integrated](#)

Description: IC ADC LP 10-BIT SERIAL 8-SOIC

Data sheet:  [MAX1242-43](#)  
 [Part Numbering System](#)

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                                                                                                                                                                                                                                                                                                                                                                                                                                              | MAX1242AESA                                             | Manufacturer                   | <a href="#">Maxim Integrated</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC ADC LP 10-BIT SERIAL 8-SOIC                          | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5779 pcs                                                | Data sheet                     | <a href="#">MAX1242-43</a><br><a href="#">Part Numbering System</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-SOIC                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                                       | Sampling Rate (Per Second)     | 73k                                                                 |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                           | External, Internal                                      | Ratio - S/H:ADC                | 1:1                                                                 |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tube                                                    | Package / Case                 | 8-SOIC (0.154", 3.90mm Width)                                       |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 85°C                                            | Number of Inputs               | 1                                                                   |
| Number of Bits                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10                                                      | Number of A/D Converters       | 1                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 (Unlimited)                                           | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                  |
| Input Type                                                                                                                                                                                                                                                                                                                                                                                                                                               | Single Ended                                            | Features                       | -                                                                   |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10 Bit Analog to Digital Converter 1 Input 1 SAR 8-SOIC | Data Interface                 | SPI                                                                 |
| Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                            | S/H-ADC                                                 | Base Part Number               | MAX1242                                                             |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                             | SAR                                                     |                                |                                                                     |
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|  | Part#: <a href="#">MAX1242BCSA</a><br>Description: IC ADC LP 10-BIT SERIAL 8-SOIC  | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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