

MAX1231ACEG+T





Part Number: [MAX1231ACEG+T](#)

Manufacturer: [Maxim Integrated](#)

Description: IC ADC 12BIT 300KSPS 24-QSOP

Data sheet:  [MAX1227,29,31](#)  
 [Part Numbering System](#)

RoHs Status: Lead free / RoHS Compliant

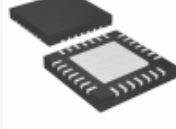
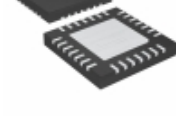
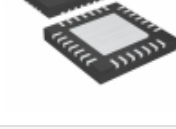
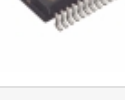
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                              |                                |                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                | MAX1231ACEG+T                                                | Manufacturer                   | <a href="#">Maxim Integrated</a>                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                | IC ADC 12BIT 300KSPS 24-QSOP                                 | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4140 pcs                                                     | Data sheet                     | <a href="#">MAX1227,29,31</a><br><a href="#">Part Numbering System</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a>                    | Voltage - Supply, Digital      | 2.7 V ~ 3.6 V                                                          |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2.7 V ~ 3.6 V                                                | Supplier Device Package        | 24-QSOP                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                                            | Sampling Rate (Per Second)     | 300k                                                                   |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                             | External, Internal                                           | Ratio - S/H:ADC                | 1:1                                                                    |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Tape & Reel (TR)                                             | Package / Case                 | 24-SSOP (0.154", 3.90mm Width)                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0°C ~ 70°C                                                   | Number of Inputs               | 8, 16                                                                  |
| Number of Bits                                                                                                                                                                                                                                                                                                                                                                                                                                             | 12                                                           | Number of A/D Converters       | 1                                                                      |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                           | 1 (Unlimited)                                                | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                             |
| Input Type                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Differential, Single Ended                                   | Features                       | Temperature Sensor                                                     |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                       | 12 Bit Analog to Digital Converter 8, 16 Input 1 SAR 24-QSOP | Data Interface                 | SPI                                                                    |
| Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                              | S/H-ADC                                                      | Base Part Number               | MAX1231                                                                |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                               | SAR                                                          |                                |                                                                        |
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