

MAX531AESD+T



Part Number: [MAX531AESD+T](#)

Manufacturer: [Maxim Integrated](#)

Description: IC DAC 12BIT 5V LP SER 14-SOIC

Data sheet:  [MAX531/38/39](#)  
 [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                                                                                                                                                                                                                                                                                                                                                                                                                                               | MAX531AESD+T                              | Manufacturer                    | <a href="#">Maxim Integrated</a>                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC DAC 12BIT 5V LP SER 14-SOIC            | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6338 pcs                                  | Data sheet                      | <a href="#">MAX531/38/39</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         | 14-SOIC                                                               |
| Settling Time                                                                                                                                                                                                                                                                                                                                                                                                                                             | 25µs (Typ)                                | Series                          | -                                                                     |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                            | External, Internal                        | Packaging                       | Tape & Reel (TR)                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                            | 14-SOIC (0.154", 3.90mm Width)            | Output Type                     | Voltage - Buffered                                                    |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                     | -40°C ~ 85°C                              | Number of D/A Converters        | 1                                                                     |
| Number of Bits                                                                                                                                                                                                                                                                                                                                                                                                                                            | 12                                        | Mounting Type                   | Surface Mount                                                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                          | 1 (Unlimited)                             | Manufacturer Standard Lead Time | 9 Weeks                                                               |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                            | Lead free / RoHS Compliant                | INL/DNL (LSB)                   | ±0.5 (Max), ±1 (Max)                                                  |
| Differential Output                                                                                                                                                                                                                                                                                                                                                                                                                                       | No                                        | Detailed Description            | 12 Bit Digital to Analog Converter 1 14-SOIC                          |
| Data Interface                                                                                                                                                                                                                                                                                                                                                                                                                                            | SPI                                       | Base Part Number                | MAX531                                                                |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                              | R-2R                                      |                                 |                                                                       |
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