

ADS54T01IZAY



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**Part Number:** [ADS54T01IZAY](#)

**Manufacturer:** N/A

**Description:** IC ADC 12BIT 750MSPS 196NFBGA

**Data sheet:**

**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                                                                                                                                                                                                                                                                                                                                                                                                            | ADS54T01IZAY                                                             | Manufacturer                     | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                            | IC ADC 12BIT 750MSPS 196NFBGA                                            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                     | 460 pcs                                                                  | Data sheet                       |                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>                                | Voltage - Supply, Digital        | 1.7 V ~ 1.9 V              |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                               | 1.7 V ~ 1.9 V, 3.15 V ~ 3.45 V                                           | Supplier Device Package          | 196-NFBGA (12x12)          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                                                        | Sampling Rate (Per Second)       | 750M                       |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                                                 | Ratio - S/H:ADC                  | 1:1                        |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                              | Tube                                                                     | Package / Case                   | 196-LFBGA                  |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                            | 296-36914<br>ADS54T01IZAY-ND                                             | Operating Temperature            | -40°C ~ 85°C               |
| Number of Inputs                                                                                                                                                                                                                                                                                                                                                                                                       | 1                                                                        | Number of Bits                   | 12                         |
| Number of A/D Converters                                                                                                                                                                                                                                                                                                                                                                                               | 1                                                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)              |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                        | 6 Weeks                                                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant |
| Input Type                                                                                                                                                                                                                                                                                                                                                                                                             | Differential                                                             | Features                         | -                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                   | 12 Bit Analog to Digital Converter 1 Input 1 Pipelined 196-NFBGA (12x12) | Data Interface                   | LVDS - Parallel            |
| Configuration                                                                                                                                                                                                                                                                                                                                                                                                          | S/H-ADC                                                                  | Base Part Number                 | ADS54T01                   |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                           | Pipelined                                                                |                                  |                            |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                    |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------|----------------|
|  | Part#: <a href="#">ADS5500IPAPR</a><br>Description: IC ADC 14BIT 125MSPS 64-HTQFP     | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS54J69IRMP</a><br>Description: IC ADC 16BIT 500MSPS 2CH 72VQFN   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS54T01EVM</a><br>Description: MODULE EVAL FOR ADS54T01           | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS54J69EVM</a><br>Description: EVAL BOARD FOR ADS54J69            | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS54T04IZAYR</a><br>Description: IC ADC 12BIT 500MSPS 196NFBGA    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS54RF63-ADX4</a><br>Description: EVAL MODULE FOR ADS54RF63       | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS54RF63_ADX4</a><br>Description: EVAL MODULE FOR ADS54RF63       | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS54J66IRMPT</a><br>Description: ANALOG TO DIGITAL CONVERTERS - A | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS54RF63EVM</a><br>Description: EVAL MODULE FOR ADS54RF63         | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS54T02IZAY</a><br>Description: IC ADC 12BIT LVDS 2CH 196NFBGA    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS54RF63IPFP</a><br>Description: IC ADC 12BIT 550MSPS 80-HTQFP    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS54T02IZAYR</a><br>Description: IC ADC 12BIT LVDS 2CH 196NFBGA   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS54J69IRMPT</a><br>Description: ANALOG TO DIGITAL CONVERTERS - A | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS54T04EVM</a><br>Description: MODULE EVAL FOR ADS54T04           | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS5500IPAP</a><br>Description: IC ADC 14BIT 125MSPS 64-HTQFP      | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS54T02EVM</a><br>Description: EVALUATION MODULE FOR ADS5402      | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS54T04IZAY</a><br>Description: IC ADC 12BIT 500MSPS 196NFBGA     | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS54T01IZAYR</a><br>Description: IC ADC 12BIT 750MSPS 196NFBGA    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS54RF63IPFPR</a><br>Description: IC ADC 12BIT 550MSPS 80HTQFP    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS5500EVM</a><br>Description: EVALUATION MODULE FOR ADS5500       | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |

Related keywords for **ADS54T01IZAY**

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