



Image may be representation.  
See specifications for product details.



## AD7651ASTZ

|                          |  |
|--------------------------|--|
| Manufacturer Part Number | <b>AD7651ASTZ</b>                      |
| Manufacturer             | <b>Analog Devices, Inc.</b>            |
| Allelco Part Number      | 32D-AD7651ASTZ                         |
| ECAD Model               | PCB Symbol, Footprint & 3D Model       |
| Parts Description        | IC ADC 16BIT SAR 48LQFP                |
| Package                  | 48-LQFP                                |
| Data sheet               | <b>Cylindrical Battery Holders.pdf</b> |
| RoHs Status              | ROHS3 Compliant                        |

**Get a Quote**

AD7651ASTZ - Analog Devices Inc..New Original in Stock. Download Linear Technology AD7651ASTZ datasheet/specifications on AllelcoElec.com.  
Request a quote for AD7651ASTZ, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

AD7651ASTZ Tech Specifications

AD7651ASTZ - Analog Devices Inc. technical specifications, attributes, parameters

| Product Attribute          | Attribute Value      | Product Attribute        | Attribute Value     |
|----------------------------|----------------------|--------------------------|---------------------|
| Manufacturer               | Analog Devices, Inc. | Number of Inputs         | 1                   |
| Voltage - Supply, Digital  | 5V                   | Number of Bits           | 16                  |
| Voltage - Supply, Analog   | 5V                   | Number of A/D Converters | 1                   |
| Supplier Device Package    | 48-LQFP (7x7)        | Mounting Type            | Surface Mount       |
| Series                     | PuISAR®              | Input Type               | Pseudo-Differential |
| Sampling Rate (Per Second) | 100k                 | Features                 | -                   |
| Reference Type             | External, Internal   | Data Interface           | SPI, Parallel, DSP  |
| Ratio - S/H:ADC            | 1:1                  | Configuration            | S/H-ADC             |
| Package / Case             | 48-LQFP              | Base Product Number      | AD7651              |
| Package                    | Tray                 | Architecture             | SAR                 |
| Operating Temperature      | -40°C ~ 85°C         |                          |                     |

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. AD7651ASTZ

| Product Attribute          |                     |                                   |                                   |                     |
|----------------------------|---------------------|-----------------------------------|-----------------------------------|---------------------|
| Part Number                | AD7651ASTZ          | <b>AD7655ACPZ</b>                 | <b>AD7654ACPZ</b>                 | <b>AD7631BSTZ</b>   |
| Manufacturer               | Analog Devices Inc. | Analog Devices Inc.               | Analog Devices Inc.               | Analog Devices Inc. |
| Configuration              | S/H-ADC             | MUX-S/H-MUX-ADC                   | MUX-S/H-MUX-ADC                   | S/H-ADC             |
| Voltage - Supply, Digital  | 5V                  | 5V                                | 5V                                | 5V                  |
| Operating Temperature      | -40°C ~ 85°C        | -40°C ~ 85°C                      | -40°C ~ 85°C                      | -40°C ~ 85°C        |
| Input Type                 | Pseudo-Differential | Pseudo-Differential, Single Ended | Pseudo-Differential, Single Ended | Differential        |
| Number of Inputs           | 1                   | 2, 4                              | 2, 4                              | 1                   |
| Series                     | PuISAR®             | PuISAR®                           | PuISAR®                           | PuISAR®             |
| Supplier Device Package    | 48-LQFP (7x7)       | 48-LFCSP-VQ (7x7)                 | 48-LFCSP-VQ (7x7)                 | 48-LQFP (7x7)       |
| Features                   | -                   | Simultaneous Sampling             | Simultaneous Sampling             | -                   |
| Base Product Number        | AD7651              | AD7655                            | AD7654                            | AD7631              |
| Architecture               | SAR                 | SAR                               | SAR                               | SAR                 |
| Mounting Type              | Surface Mount       | Surface Mount                     | Surface Mount                     | Surface Mount       |
| Data Interface             | SPI, Parallel, DSP  | SPI, Parallel, DSP                | SPI, Parallel, DSP                | SPI, Parallel, DSP  |
| Reference Type             | External, Internal  | External                          | External                          | External, Internal  |
| Number of Bits             | 16                  | 16                                | 16                                | 18                  |
| Voltage - Supply, Analog   | 5V                  | 5V                                | 5V                                | 5V                  |
| Ratio - S/H:ADC            | 1:1                 | 2:1                               | 2:1                               | 1:1                 |
| Package / Case             | 48-LQFP             | 48-VFQFN Exposed Pad, CSP         | 48-VFQFN Exposed Pad, CSP         | 48-LQFP             |
| Package                    | Tray                | Tray                              | Tray                              | Tray                |
| Sampling Rate (Per Second) | 100k                | 1M                                | 500k                              | 250k                |
| Number of A/D Converters   | 1                   | 1                                 | 1                                 | 1                   |

### AD7651ASTZ Datasheet PDF

Download AD7651ASTZ pdf datasheets and Analog Devices Inc. documentation for AD7651ASTZ - Analog Devices Inc..

#### Datasheets

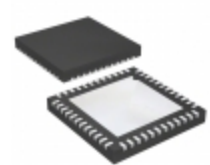
[Cylindrical Battery Holders.pdf](#)

#### PCN Assembly/Origin

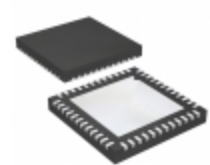
[2.73KHz.pdf](#)

## Customers Also Interested in

### Recommended Products



**AD7655ACPZ**  
Analog Devices Inc.  
IC ADC 16BIT SAR 48LFCSP



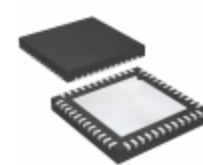
**AD7654ACPZ**  
Analog Devices Inc.  
IC ADC 16BIT SAR 48LFCSP



**AD7631BSTZ**  
Analog Devices Inc.  
IC ADC 18BIT SAR 48LQFP



**AD7641BSTZRL**  
Analog Devices Inc.  
IC ADC 18BIT SAR 48LQFP



**AD7641BCPZ**  
Analog Devices Inc.  
IC ADC 18BIT SAR 48LFCSP



**AD7655ASTZ**  
Analog Devices Inc.  
IC ADC 16BIT SAR 48LQFP



**AD7656A-1BSTZ**  
Analog Devices Inc.  
IC ADC 16BIT SAR 64LQFP



**AD7645UQ**  
ADI (Analog Devices, Inc.)



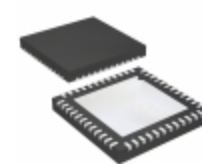
**AD7641BSTZ**  
Analog Devices Inc.  
IC ADC 18BIT SAR 48LQFP



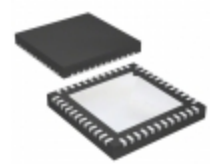
**AD7634BSTZ**  
Analog Devices Inc.  
IC ADC 18BIT SAR 48LQFP



**AD7653ASTZ**  
Analog Devices Inc.  
IC ADC 16BIT SAR 48LQFP



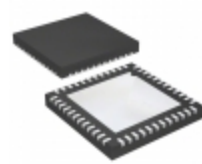
**AD7634BCPZ**  
Analog Devices Inc.  
IC ADC 18BIT SAR 48LFCSP



**AD7631BCPZ**  
Analog Devices Inc.  
IC ADC 18BIT SAR 48LFCSP



**AD7655ASTZRL**  
Analog Devices Inc.  
IC ADC 16BIT SAR 48LQFP



**AD7643BCPZ**  
Analog Devices Inc.  
IC ADC 18BIT SAR 48LFCSP



**AD7652ASTZ**  
Analog Devices Inc.  
IC ADC 16BIT SAR 48LQFP



**AD7654ASTZRL**  
Analog Devices Inc.  
IC ADC 16BIT SAR 48LQFP



**AD7654ASTZ**  
Analog Devices Inc.  
IC ADC 16BIT SAR 48LQFP

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

| Common Countries Logistic Time Reference |                |                    |
|--|----------------|--------------------|
| Region                                   | Country        | Logistic Time(Day) |
| America                                  | United States  | 5                  |
|  | Brazil         | 7                  |
| Europe                                   | Germany        | 5                  |
|  | United Kingdom | 4                  |
|  | Italy          | 5                  |
| Oceania                                  | Australia      | 6                  |
|  | New Zealand    | 7                  |
| Asia                                     | India          | 6                  |
|  | Japan          | 7                  |
| Middle East                              | Israel         | 6                  |

| DHL & FedEx Shipment Charges Reference |                      |
|--|----------------------|
| Shipment charges(KG)                   | Reference DHL(USD\$) |
| 0.00kg-1.00kg                          | USD\$60.00           |
| 1.00kg-2.00kg                          | USD\$70.00           |
| 2.00kg-3.00kg                          | USD\$80.00           |

**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -

- Efficient Supply Management
- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

- Phone  
+00852 9146 4856
- Email  
info@allelco.com

### Certifications & Memberships



[View More](#)