



Image may be representation.  
See specifications for product details.



## AD7658BSTZ

Manufacturer Part Number	<b>AD7658BSTZ</b>
Manufacturer	<b>Analog Devices, Inc.</b>
Allelco Part Number	32D-AD7658BSTZ
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC ADC 12BIT SAR 64LQFP
Package	64-LQFP
Data sheet	<b>AD7656-58 Datasheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

AD7658BSTZ - Analog Devices Inc..New Original in Stock. Download Linear Technology AD7658BSTZ datasheet/specifications on AllelcoElec.com.  
Request a quote for AD7658BSTZ, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

AD7658BSTZ Tech Specifications

AD7658BSTZ - Analog Devices Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Analog Devices, Inc.	Number of Inputs	6
Voltage - Supply, Digital	5V	Number of Bits	12
Voltage - Supply, Analog	5V	Number of A/D Converters	6
Supplier Device Package	64-LQFP (10x10)	Mounting Type	Surface Mount
Series	iCMOS®	Input Type	Single Ended
Sampling Rate (Per Second)	250k	Features	Simultaneous Sampling, True Bipolar
Reference Type	External, Internal	Data Interface	SPI, Parallel, DSP
Ratio - S/H:ADC	1:1	Configuration	S/H-ADC
Package / Case	64-LQFP	Base Product Number	AD7658
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. AD7658BSTZ

Product Attribute				
Part Number	AD7658BSTZ	AD7660AST	AD7663ACPZ	AD7661ACPZ
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Package	Tray	Bag	Tray	Tray
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Architecture	SAR	-	SAR	SAR
Voltage - Supply, Digital	5V	-	5V	5V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Inputs	6	-	1	1
Series	iCMOS®	PuISAR®	PuISAR®	PuISAR®
Base Product Number	AD7658	AD7660	AD7663	AD7661
Ratio - S/H:ADC	1:1	-	1:1	1:1
Package / Case	64-LQFP	48-LQFP	48-VFQFN Exposed Pad, CSP	48-VFQFN Exposed Pad, CSP
Supplier Device Package	64-LQFP (10x10)	48-LQFP (7x7)	48-LFCSP-VQ (7x7)	48-LFCSP-VQ (7x7)
Number of A/D Converters	6	1	1	1
Configuration	S/H-ADC	-	S/H-ADC	S/H-ADC
Number of Bits	12	16	16	16
Sampling Rate (Per Second)	250k	100k	250k	100k
Voltage - Supply, Analog	5V	-	5V	5V
Features	Simultaneous Sampling, True Bipolar	-	True Bipolar	-
Reference Type	External, Internal	-	External	External, Internal
Input Type	Single Ended	-	Differential	Pseudo-Differential
Data Interface	SPI, Parallel, DSP	-	SPI, Parallel, DSP	SPI, Parallel, DSP

### AD7658BSTZ Datasheet PDF

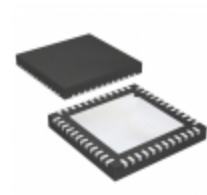
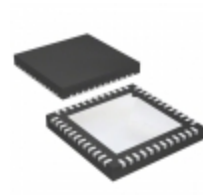
Download AD7658BSTZ pdf datasheets and Analog Devices Inc. documentation for AD7658BSTZ - Analog Devices Inc..

#### Datasheets

AD7656-58 Datasheet.pdf

### Customers Also Interested in

#### Recommended Products

**AD7660AST**Analog Devices Inc.  
IC ADC 16BIT UNIPOLAR 48-LQFP**AD7663ACPZ**Analog Devices Inc.  
IC ADC 16BIT SAR 48LFCSP**AD7661ACPZ**Analog Devices Inc.  
IC ADC 16BIT SAR 48LFCSP**AD7657YSTZ-1**Analog Devices Inc.  
IC ADC 14BIT SAR 64LQFP**AD7663ASTZ**Analog Devices Inc.  
IC ADC 16BIT SAR 48LQFP**AD7658YSTZ**Analog Devices Inc.  
IC ADC 12BIT SAR 64LQFP**AD7657BSTZ-1-RL**Analog Devices Inc.  
IC ADC 14BIT SAR 64LQFP**AD7656YSTZ-1**Analog Devices Inc.  
IC ADC 16BIT SAR 64LQFP**AD7657YSTZ**Analog Devices Inc.  
IC ADC 14BIT SAR 64LQFP**AD7657BSTZ-REEL**Analog Devices Inc.  
IC ADC 14BIT SAR 64LQFP**AD7656YSTZ**Analog Devices Inc.  
IC ADC 16BIT SAR 64LQFP**AD7660ASTZ**Analog Devices Inc.  
IC ADC 16BIT SAR 48LQFP**AD7661ASTZ**Analog Devices Inc.  
IC ADC 16BIT SAR 48LQFP**AD7657BSTZ-1**Analog Devices Inc.  
IC ADC 14BIT SAR 64LQFP**AD7658YSTZ-1**Analog Devices Inc.  
IC ADC 12BIT SAR 64LQFP**AD7658BSTZ-1**Analog Devices Inc.  
IC ADC 12BIT SAR 64LQFP**AD7656BSTZ-REEL**Analog Devices Inc.  
IC ADC 16BIT SAR 64LQFP**AD7657BSTZ**Analog Devices Inc.  
IC ADC 14BIT SAR 64LQFP

## 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  
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- Email  
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## Certifications & Memberships



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### Contact us

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