



Image may be representation.
See specifications for product details.



AD5781BRUZ

Manufacturer Part Number	AD5781BRUZ
Manufacturer	Analog Devices, Inc.
Allelco Part Number	32D-AD5781BRUZ
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC DAC 18BIT V-OUT 20TSSOP
Package	20-TSSOP (0.173", 4.40mm Width)
Data sheet	20-TSSOP Pkg Drawing.pdf AD5781.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

AD5781BRUZ - Analog Devices Inc..New Original in Stock. Download Linear Technology AD5781BRUZ datasheet/specifications on AllelcoElec.com.
Request a quote for AD5781BRUZ, please send us email: info@allelco.com

Specifications

AD5781BRUZ Tech Specifications

AD5781BRUZ - Analog Devices Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Analog Devices, Inc.	Operating Temperature	-40°C ~ 125°C
Voltage - Supply, Digital	2.7V ~ 5.5V	Number of D/A Converters	1
Voltage - Supply, Analog	7.5V ~ 16.5V, -2.5V ~ 16.5V	Number of Bits	18
Supplier Device Package	20-TSSOP	Mounting Type	Surface Mount
Settling Time	1µs (Typ)	INL/DNL (LSB)	±0.5, ±0.5
Series	-	Differential Output	No
Reference Type	External	Data Interface	SPI, DSP
Package / Case	20-TSSOP (0.173", 4.40mm Width)	Base Product Number	AD5781
Package	Tube	Architecture	R-2R
Output Type	Voltage - Unbuffered		

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. AD5781BRUZ

Product Attribute				
Part Number	AD5781BRUZ	AD5780BCPZ	AD5766BCPZ-RL7	AD5790BCPZ
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Architecture	R-2R	R-2R	String DAC	R-2R
Package / Case	20-TSSOP (0.173", 4.40mm Width)	24-VFQFN Exposed Pad, CSP	40-WFQFN Exposed Pad, CSP	24-VFQFN Exposed Pad, CSP
Settling Time	1µs (Typ)	3.5µs (Typ)	12µs	3.5µs (Typ)
Differential Output	No	No	No	No
Supplier Device Package	20-TSSOP	24-LFCSP-VQ (4x5)	40-LFCSP-WQ (6x6)	24-LFCSP-VQ (4x5)
Voltage - Supply, Digital	2.7V ~ 5.5V	2.7V ~ 5.5V	-	2.7V ~ 5.5V
Number of D/A Converters	1	1	16	1
Voltage - Supply, Analog	7.5V ~ 16.5V, -2.5V ~ 16.5V	7.5V ~ 16.5V, -2.5V ~ 16.5V	2.97V ~ 16V	7.5V ~ 16.5V, -2.5V ~ 16.5V
Data Interface	SPI, DSP	SPI, DSP	SPI, DSP	SPI, DSP
Output Type	Voltage - Unbuffered	Voltage - Unbuffered	Voltage - Unbuffered	Voltage - Unbuffered
Package	Tube	Tray	Tape & Reel (TR)	Tray
Number of Bits	18	18	16	20
Base Product Number	AD5781	AD5780	AD5766	AD5790
INL/DNL (LSB)	±0.5, ±0.5	±1 (Max), ±0.75 (Max)	±16, ±1	±1.2, -1/+3
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 105°C	-40°C ~ 125°C
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	-	-	-	-
Reference Type	External	External	External	External

AD5781BRUZ Datasheet PDF

Download AD5781BRUZ pdf datasheets and Analog Devices Inc. documentation for AD5781BRUZ - Analog Devices Inc..

Datasheets

[20-TSSOP Pkg Drawing.pdf](#)

[AD5781.pdf](#)

Design Resources


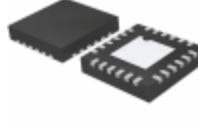




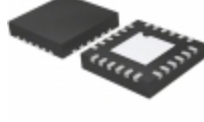



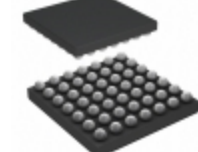

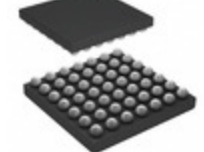

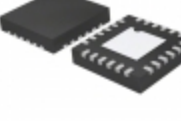



[18-Bit Accurate, low noise, precision bipolar DC v.pdf](#)

PCN Design/Specification

[AD57\(8,9\)1 Feature 27/Jul/2011.pdf](#)

Customers Also Interested in

Recommended Products

 AD578LN ADI (Analog Devices, Inc.)	 AD5780BCPZ Analog Devices Inc. IC DAC 18BIT V-OUT 24LFCSP	 AD5766BCPZ-RL7 Analog Devices Inc. IC DAC 16BIT V-OUT 40LFCSP	 AD5766BCBZ ADI (Analog Devices, Inc.)	 AD57841 Texas Instruments	 AD578TD/883B Analog Technologies
 AD5790BCPZ Analog Devices Inc. IC DAC 20BIT V-OUT 24LFCSP	 AD5781ARUZ-REEL7 Analog Devices Inc. IC DAC 18BIT V-OUT 20TSSOP	 AD578JN ADI (Analog Devices, Inc.)	 AD5791ARUZ Analog Devices Inc. IC DAC 20BIT V-OUT 20TSSOP	 AD5770RBCBZ-RL7 Analog Devices Inc. IC DAC 14BIT A-OUT 49WLCSP	 AD578KN ADI (Analog Devices, Inc.)
 AD5766BCBZ-RL7 Analog Devices Inc. IC DAC 16BIT V-OUT 49WLCSP	 AD5781SRU-EP Analog Devices Inc. IC DAC 18BIT V-OUT 20TSSOP	 AD5780ACPZ Analog Devices Inc. IC DAC 18BIT V-OUT 24LFCSP	 AD5765CSUZ Analog Devices Inc. IC DAC 16BIT V-OUT 32TQFP	 AD5781ARUZ Analog Devices Inc. IC DAC 18BIT V-OUT 20TSSOP	 AD578ZLD ADI (Analog Devices, Inc.)

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

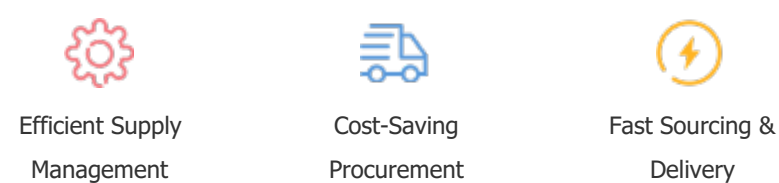
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

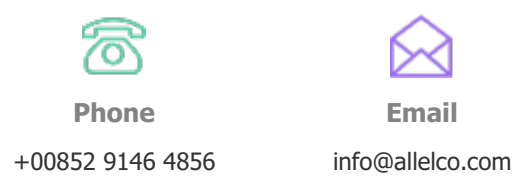
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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