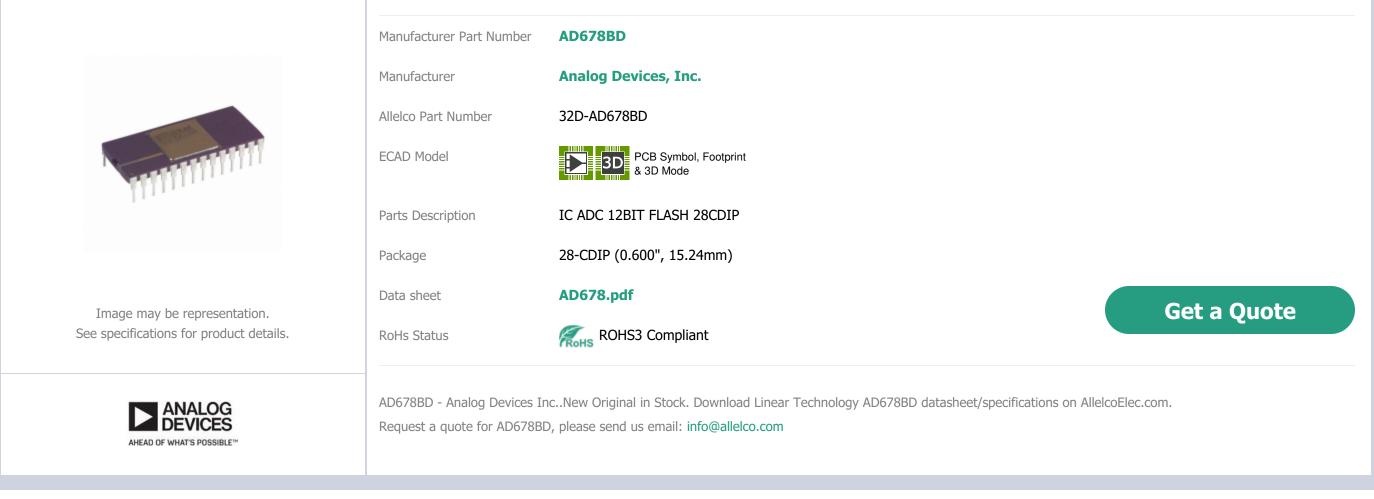


AD678BD



Specifications

AD678BD Tech Specifications

AD678BD - 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	12
Voltage - Supply, Analog	±12V	Number of A/D Converters	1
Supplier Device Package	28-CDIP	Mounting Type	Through Hole
Series	-	Input Type	Single Ended
Sampling Rate (Per Second)	200k	Features	-
Reference Type	Internal	Data Interface	Parallel
Ratio - S/H:ADC	1:1	Configuration	S/H-ADC
Package / Case	28-CDIP (0.600", 15.24mm)	Base Product Number	AD678
Package	Tube	Architecture	Flash
Operating Temperature	-40°C ~ 85°C		

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. AD678BD

Prack AttributeSerificationSerificationSerificationSerificationActributeActributeActributeActributeActributeActributeMandindumActributeActri					
MandractureAkaig Detects in:Akaig Detects in:Akaig Detects in:Akaig Detects in:Gauplier Device DetactsActioPIc+DiPAkaig Detects in:ActioPMunder of Bite1IIcIcIc+DiPReference TypeIc+DiPDeteralIcercalIcercalIcercalReference TypeActioPDeteralIcercalIcercalIcercalReference TypeActioPDeteralIcercalIcercalIcercalReference TypeActioPActioPActioPActioPIcercalReference TypeActioPActioPIcercalIcercalIcercalReference TypeActioPActioPIcercalIcercalIcercalReference TypeActioPActioPIcercalIcercalIcercalReference TypeActioPIcercalIcercalIcercalIcercalReference TypeActioPIcercalIcercalIcercalIcercalReference TypeActioPIcercalIcercalIcercalIcercalReference TypeIcercalIcercalIcercalIcercalIcercalReference TypeIcercalIcercalIcercalIcercalIcercalReference TypeIcercalIcercalIcercalIcercalIcercalReference TypeIcercalIcercalIcercalIcercalIcercalReference TypeIcercalIcercalIcercalIcercalIcercalReference TypeIcercal </td <td>Product Attribute</td> <td></td> <td>MITTINT I</td> <td></td> <td></td>	Product Attribute		MITTINT I		
Augular Davise RadageProfessional SchuleProfessional SchuleProfessional SchuleAugular Davise Radage2161212Auster of Bis123161616Auster of Bis60736073161616Auster of Bis60736073607360736073Auster of Bis1313131313Auster of Spickof1313131313Auster of Aph Canvertos1010101010Auster of Aph Canvertos110101010Auster of Aph Canvertos11101010Auster of Aph Canvertos110101010Auster of Aph Canvertos110101010Auster of Aph Canvertos110101010Auster of Aph Canvertos110101010Auster of Aph Canvertos110 <td>Part Number</td> <td>AD678BD</td> <td>AD677KNZ</td> <td>AD678SD</td> <td>AD678JD</td>	Part Number	AD678BD	AD677KNZ	AD678SD	AD678JD
Number of Bits12161712Number of Bits1616161616Reference Type1616161616Base Product Number26/FB06/FB00070.070.07Ratio - 5/HADC1611111111Othsge - Supply, Analog12/Q12/Q12/Q12/Q12/QFeator - Supply, Analog12/Q000200200200Feator - Supply, Analog12/Q100200200200Feator - Supply, Digital10100100100100Feator - Supply, Digital100100100100100Feator - Supply, Digital100100100100100Feator - Supply, Digital100100100	Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Reference TypeIntendiIntendiIntendiIntendiRes Produx NumberAPs7APs7APs7APs7Res Produx NumberI.1I.1APs7APs7Res Produx NumberI.1I.1I.1I.1Votage Supply AnalogI.1I.1I.1I.1Aps7APs7APs7APs7APs7Analog Supply AnalogI.1I.1I.1I.1Analog Supply AnalogAPs7APs7APs7APs7Analog Supply AnalogI.1I.1I.1I.1I.1Analog Supply AnalogI.1I.1I.1I.1I.1I.1Analog Supply AnalogI.1I.1I.1I.1I.1I.1Analog Supply AnalogI.1 <t< td=""><td>Supplier Device Package</td><td>28-CDIP</td><td>16-PDIP</td><td>28-CDIP</td><td>28-CDIP</td></t<>	Supplier Device Package	28-CDIP	16-PDIP	28-CDIP	28-CDIP
Rate Product NumberNorflNorflAderAderRatio - S/HADC1414141414Voltage - Supply Analog12/212/212/212/212/2Sorbing Rate (Per Second)20%0%20%20%20%Fatures20%0%20%20%20%20%Mander of A/D Converters11111Monter of A/D Converters10%10%10%10%10%Monter of A/D Converters <td>Number of Bits</td> <td>12</td> <td>16</td> <td>12</td> <td>12</td>	Number of Bits	12	16	12	12
Rato - S/HADCI:1I:1I:1I:1Voltage - Supply, AnlogI:2I:1I:1I:1Voltage - Supply, AnlogI:2I:2I:2I:2Sampling Rate (Per second)I:0I:0I:0I:0I:0FeaturesI:0I:0I:0I:0I:0I:0Number of A/D ConvertersI:0I:0I:0I:0I:0I:0Number of AlgoI:0I:0I:0I:0I:0I:0I:0PackageI:0I:0I:0I:0I:0I:0I:0Number of InputsI:0I:0I:0I:0I:0I:0Data InterfaceI:0I:0I:0I:0I:0I:0I:0Package / CaseI:0I:0I:0I:0I:0I:0I:0Package / CaseI:0I:0I:0I:0I:0I:0I:0Package / CaseI:0I:0I:0I:0I:0I:0I:0Package / CaseI:0I:0I:0I:0I:0I:0<	Reference Type	Internal	External	Internal	Internal
Voltage - Supply, Analogin2Vin2Vin2VSempling Rate (Ver Second)200k00k00k00kPetures0.00.00.00.0Munder of A/D Converters110.00.0Munder of A/D Converters10.01.01.0Munder of A/D Converters11.01.01.0Munder of A/D Converters11.01.01.0Munder of A/D Converters11.01.01.0Munder of A/D Converters1.01.01.01.0Munder of A/D Converters1.01.01.01.0Munder of A/D Converters1.01.01.01.0Munder of Inputs1.01.01.01.0Munder of	Base Product Number	AD678	AD677	AD678	AD678
Sampling Rate (Per Second)200k100k200k200kFeaturesMumber of A/D Converters1Mumber of A/D Converters1Mumber of A/D Converters1Mumber of A/D Converters1Mouting Type1Through HoleThrough HoleThrough HoleThrough HoleVoltage - Supply, Digital5VSySySySyPerkageMumber of InputsDetainer of LinputsSyl-HolCSyl-HolCSyl-HolCSyl-HolCDetainer of InputsSyl-HolCSyl-HolCSyl-HolCSyl-HolCSyl-HolCDetainer of InputsSyl-HolCSyl-HolCSyl-HolCSyl-HolCSyl-HolCSyl-HolC <td>Ratio - S/H:ADC</td> <td>1:1</td> <td>1:1</td> <td>1:1</td> <td>1:1</td>	Ratio - S/H:ADC	1:1	1:1	1:1	1:1
FeaturesImage: Image: Imag	Voltage - Supply, Analog	±12V	±12V	±12V	±12V
Number of A/D ConvertersIIIINumber of A/D Converters1IIIMouting TypeIrrough HoleIrrough HoleIrrough HoleIrrough HoleIrrough HoleVottage - Supply, DigitalSvSvSvSvSvPackageIIIIIIPackageIIIIIIConfigurationIIIIIIPackage / ConfigurationIIIIIIPackage / ConfigurationIIIIIIPackage / ConfigurationIIIIIIPackage / ConfigurationIIIIIIPackage / ConfigurationIIIIIIIPackage / ConfigurationIIIIIIIPackage / ConfigurationIIIIIIIPackage / ConfigurationIIIIIIIPackage / ConfigurationIIIIIIIIPackage / ConfigurationIIIIIIIIIPackage / ConfigurationIIIIIIIIIIPackage / ConfigurationIIIIIIIIII <td>Sampling Rate (Per Second)</td> <td>200k</td> <td>100k</td> <td>200k</td> <td>200k</td>	Sampling Rate (Per Second)	200k	100k	200k	200k
Number of paper and	Features	-	-	-	-
Voltage Supply, DigitalSuSuSuSuVoltage Supply, DigitalSuSuSuSuSeriesPackageTubeTubeTubeTubeNumber of Inputs11OringinationSulf-ACCSulf-ACCSulf-ACCSulf-ACCPackage / CaseSulf-Osci00(1):S24mm)Sulf-ACCSulf-ACCSulf-ACCOperating Temperature	Number of A/D Converters	1	1	1	1
Factor of the second	Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
PackageTubeTubeTubeTubePackage f SapeTubeTubeTubeTubeStraftgrationStraftactStraftactStraftactStraftactStraftactPackage f CaseStor StraftactStor StraftactStor StraftactStor StraftactStor StraftactStor StraftactOperating TemperatureHoto StraftactStor Stor StraftactStor Stor StraftactStor Stor StraftactStor Stor StraftactStor Stor StraftactStor Stor Stor StraftactStor Stor Stor Stor Stor Stor Stor Stor	Voltage - Supply, Digital	5V	5V	5V	5V
Number of InputsIIIINumber of Inputs1IIIConfigurationS(H-ADCS(H-ADCS(H-ADCS(H-ADCData InterfaceParalelSPISelDer ConfigurationParalelParalelPackage / CaseSecDIP ConfigurationSecDIP ConfigurationSecDIP ConfigurationSecDIP ConfigurationSecDIP ConfigurationOperating TemperatureHone SecOndSecOndSecOndSecOndSecOndImage: SecOnd SecOn	Series	-	-	-	-
ConfigurationS/H-ADCS/H-ADCS/H-ADCS/H-ADCData InterfaceParallelSPIParallelParallelParallelPackage / Case28-CDIP (0.600°, 15.24mm)16-DIP (0.300°, 7.62mm)28-CDIP (0.600°, 15.24mm)28-CDIP (0.600°, 15.24mm)Operating Temperature	Package	Tube	Tube	Tube	Tube
Data Interface Parallel SPI Parallel Parallel Parallel Package / Case 28-CDIP (0.600", 15.24mm) 16-DIP (0.300", 7.62mm) 28-CDIP (0.600', 15.24mm) 28-CDIP (0.600', 15.24mm) Operating Temperature -40°C ~ 85°C 0°C ~ 70°C 0°C ~ 70°C 0°C ~ 70°C	Number of Inputs	1	1	1	1
Package / Case 28-CDIP (0.600", 15.24mm) 16-DIP (0.300", 7.62mm) 28-CDIP (0.600', 15.24mm) 28-CDIP (0.600', 15.24mm) Operating Temperature -40°C ~ 85°C 0°C ~ 70°C 0°C ~ 70°C 0°C ~ 70°C 0°C ~ 70°C	Configuration	S/H-ADC	S/H-ADC	S/H-ADC	S/H-ADC
Operating Temperature -40°C ~ 85°C 0°C ~ 70°C 0°C ~ 70°C 0°C ~ 70°C	Data Interface	Parallel	SPI	Parallel	Parallel
	Package / Case	28-CDIP (0.600", 15.24mm)	16-DIP (0.300", 7.62mm)	28-CDIP (0.600', 15.24mm)	28-CDIP (0.600', 15.24mm)
Input Type Single Ended Single Ended Single Ended	Operating Temperature	-40°C ~ 85°C	0°C ~ 70°C	0°C ~ 70°C	0°C ~ 70°C
	Input Type	Single Ended	Single Ended	Single Ended	Single Ended
Architecture Flash SAR Flash Flash	Architecture	Flash	SAR	Flash	Flash

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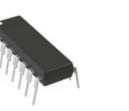
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IC ADC 12BIT FLASH 28CDIP

AD678KD Analog Devices Inc.



AD677KD

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AD677TD/883B

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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	

DIL & reuex Shipment Charges R	lerence
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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.



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