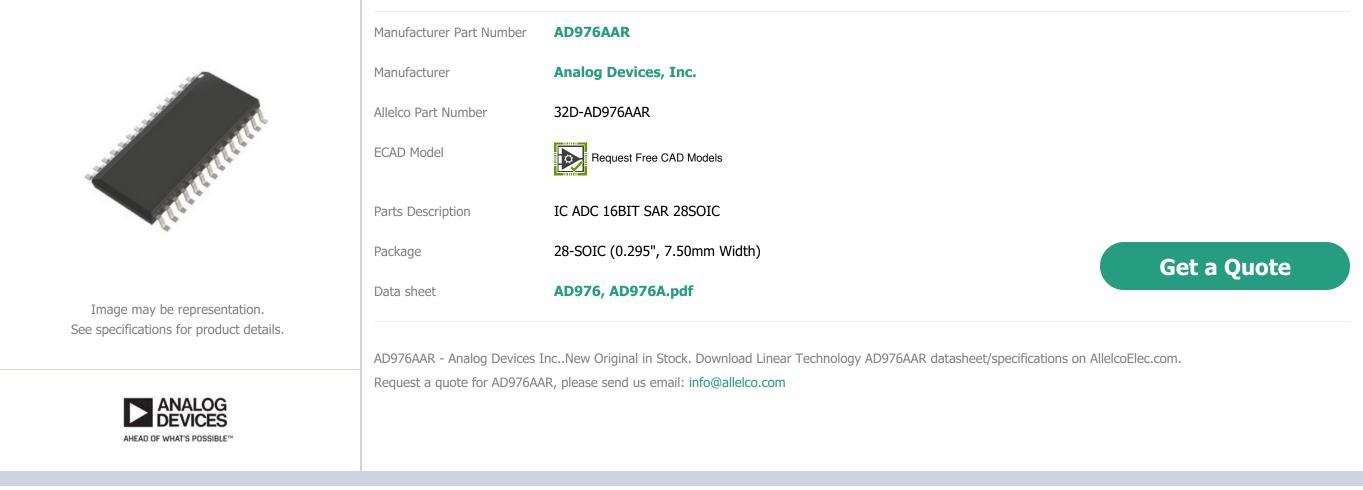


AD976AAR



Specifications

AD976AAR Tech Specifications

AD976AAR - 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	28-SOIC	Mounting Type	Surface Mount
Series	-	Input Type	Single Ended
Sampling Rate (Per Second)	200k	Features	-
Reference Type	External, Internal	Data Interface	Parallel
Ratio - S/H:ADC	1:1	Configuration	S/H-ADC
Package / Case	28-SOIC (0.295", 7.50mm Width)	Base Product Number	AD976
Package	Tube	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. AD976AAR

Predact AttributeSoftwardSoftwardSoftwardSoftwardFor HunderAddy ColorsAddy ColorsAddy ColorsAddy ColorsPart HunderAddy ColorsAddy ColorsAddy ColorsAddy ColorsNatagens SoftwardNaka ColorsNaka ColorsNaka ColorsNaka ColorsNatagens SoftwardNaka ColorsNaka ColorsNaka ColorsNaka ColorsAddresNaka Colo					
Name MandelineNako Deckes Inc.Nako Deckes Inc.Nako Deckes Inc.Voltage - Supply, DigitalSVSVSVSVSerieConfigurationSV-ACCSV-ACCSV-ACCSV-ACCRetreme TypeDecard, LenardDecard, JeanalDecard, JeanalDecard, JeanalAchtectureSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSXSXSXSXPacedorSXSX <td>Product Attribute</td> <td>TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT</td> <td></td> <td>recenter</td> <td></td>	Product Attribute	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT		recenter	
Vatas-sapply, PatialVSVSVSVFormaSSSSSConfigurationSSSSSSReference TypeBernal, StenalStenalSSSSArbitectureSSSSSSSPatarasSSSSSSSPatarasSSSSSSSPatarasSSSSSSSPatarasSSSSSSSPatarasSSSSSSSSPatarasSS <td>Part Number</td> <td>AD976AAR</td> <td>AD976ABRSZ</td> <td>AD976ABRZ</td> <td>AD976AARSZ</td>	Part Number	AD976AAR	AD976ABRSZ	AD976ABRZ	AD976AARSZ
SenisGenigurationSHADCSHADCSHADCSHADCSHADCReference TypeFerrol, InternalIdernal, InternalSaternal, InternalSaternal, InternalArchitectureSRSASASaternal, InternalSaternal, InternalPeckage / CaseSRSASaternal, InternalSaternal, InternalSaternal, InternalPeckage / CaseSRSASaternalSaternalSaternalPeckage / CaseSector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Peckage / CaseSector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Peckage / CaseSector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Peckage / CaseSector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Peckage / CaseSector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Peckage / CaseSector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Peckage / CaseSector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Peckage / CaseSector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Sector(Sater, TSSIDIN Math)Sector(Sat	Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
ConfigurationSpi4ACSpi4ACSpi4ACSpi4ACReference TypeBearal, IzemalBearal, IzemalBearal, IzemalBearal, IzemalArchitectureBABASASASAFeatures1.SinSC (0.255; 7.50m Wdb)SinSC (0.257; 7.50m Wdb)SinSC (0.255; 7.50m	Voltage - Supply, Digital	5V	5V	5V	5V
Reference TypeExtend, IntenalExtend, IntenalExtend, IntenalExtend, IntenalReference TypeS4RS4RS4RS4RArchitectureS4RS4RS4RS4RPeatorsPeators0S0SOF (0.2957, 750mr Wdth)S6SOF (0.2957, 750mr Wdth)S6SOF (0.2957, 750mr Wdth)Peators205C (0.2957, 750mr Wdth)20SOP (0.2957, 750mr Wdth)S6SOF (0.2957, 750mr Wdth)Peators205C (0.297, 750mr Wdth)20SOP (0.2957, 750mr Wdth)S6SOF (0.2957, 750mr Wdth)Peators205C (0.297, 750mr Wdth)20SOP (0.2957, 750mr Wdth)S6SOF (0.2957, 750mr Wdth)Peators205C (0.297, 750mr Wdth)20SOP (0.2957, 750mr Wdth)S6SOF (0.2957, 750mr Wdth)Peators205C (0.297, 750mr Wdth)20SOF (0.2957, 750mr Wdth)S6SOF (0.2957, 750mr Wdth)Peators205C (0.297, 750mr Wdth)20SOF (0.2957, 750mr Wdth)S6SOF (0.2957, 750mr Wdth)Peators205C (0.297, 750mr Wdth)20SOF (0.2957, 750mr Wdth)S6SOF (0.2957, 750mr Wdth)Peators205C (0.297, 750mr Wdth)20SOF (0.2957, 750mr Wdth)S6SOF (0.2957, 750mr Wdth)Peators20SOF (0.2957, 750mr Wdth)20SOF (0.295, 750mr Wdth)S6SOF (0.295, 750mr Wdth)Peators20SOF (0.295, 750mr Wdth)20SOF (0.295, 750mr Wdth)S6SOF (0.295, 750mr Wdth)Pata TerrerSign EndaSign EndaSign EndaSign EndaPata TerrerSign EndaSign EndaSign EndaSign EndaPatorsSign EndaSign EndaSign E	Series	-	-	-	-
ArchlectureSRSRSRSRPatures-Patures-Patures-Sola (0.295, 7.30m Wdb)-SASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)Patedey LoseASOS (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)Patedey LoseASOS (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)Patedey LoseASOS (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)Patedey LoseASOS (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)Patedey LoseASOS (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)Patedey LoseASOS (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)Patedey LoseASOS (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)Patedey LoseASOS (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)Patedey LoseASOS (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)Patedey LoseSASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)Patedey LoseSASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)Patedey LoseSASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)Patedey LoseSASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb)Patedey LoseSASDP (0.295, 7.30m Wdb)SASDP (0.295, 7.30m Wdb) <td>Configuration</td> <td>S/H-ADC</td> <td>S/H-ADC</td> <td>S/H-ADC</td> <td>S/H-ADC</td>	Configuration	S/H-ADC	S/H-ADC	S/H-ADC	S/H-ADC
FeaturesPeckage / Case24-SOIC (0.295', 7.50m Woldt)24-SSOP (0.295', 7.50m Woldt)24-SSOP (0.295', 7.50m Woldt)24-SSOP (0.295', 7.50m Woldt)Base Product NumberAp976AD976AD976AD976AD976Operating Temperature40°C ~ 85°C40°C ~ 85°CAD976AD976Data InterfaceParalelParalelParalelParalelNumber of Bits16ItItItOperating TemperatureSinge EndedSinge EndedSinge EndedSinge EndedNumber of BitsItSinge EndedSinge EndedSinge EndedSinge EndedOutsing TypeSinge EndedSinge EndedSinge EndedSinge EndedSinge EndedNumber of ItationSinge MuntSinfee MuntSinfee MuntSinfee MuntSinfee MuntSinfee MuntNumber of ApperSinfee MuntSinfee MuntSinfee MuntSinfee MuntSinfee MuntSinfee MuntSinfee MuntNumber of ApperSinfee MuntSinfee MuntSinfee MuntSinfee MuntSinfee MuntSinfee MuntSinfee Munt	Reference Type	External, Internal	External, Internal	External, Internal	External, Internal
Package / CaeAnome BestOr (0.2957, 7.50mm Width)Asspon (0.2957, 7.50mm Width)Asspon (0.2957, 7.50mm Width)Asspon (0.2957, 5.50mm	Architecture	SAR	SAR	SAR	SAR
Base Product NumberAD976AD976AD976AD976Operating Temperature40°C x8°C40°C x8°C40°C x8°CSampling Rate (Per Second)200k200k200k200kDeta InterfaceParalal200k200k200kNumber of Bits16161616ProclageTubeTubeTubeTubeVoltage - Supply, Analog5v5v5v5vNumber of Inputs1111Number of Inputs1111Number of Inputs1111Number of Inputs1111Number of Inputs1111Number of ADD converters1111Number of ADD converters1111 <td>Features</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>	Features	-	-	-	-
Image: Auge of the second of	Package / Case	28-SOIC (0.295", 7.50mm Width)	28-SSOP (0.209', 5.30mm Width)	28-SOIC (0.295', 7.50mm Width)	28-SSOP (0.209', 5.30mm Width)
Sampling Rate (Per Second)CondCondCondSampling Rate (Per Second)SolutionSolutionSolutionSolutionData TatefracParalelParalelParalelParalelParalelNumber of BitsIdSolutionIdSolutionIdPackageTubTubTubSolutionSolutionPackageSigle EndedSigle EndedSigle EndedSolutionSolutionSupplier Device PackageSigle ScolutionSolutionSolutionSolutionNumber of TaputsInformationSuface MountSuface MountSolutionNumber of AlpO ConvertersInformationSuface MountSuface MountSuface MountNumber of AlpO ConvertersInformationInformationInformationSuface MountNumber of AlpO ConvertersInformationInformationInformationInformationNumber of AlpO ConvertersInformationInformation<	Base Product Number	AD976	AD976	AD976	AD976
Note of the formNote	Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Number of BitsIIIIPackageTubeTubeTubeTubeTubeI pack TypeSinge EndedSinge EndedSinge EndedSinge EndedSinge EndedVotage - Supply, AnalogSvSvSvSvSvSuppler Device Package1SvSvSvSvNumber of A/D Converters1Surface MountSurface MountSurface MountSurface MountNumber of A/D Converters1Surface MountSurface MountSurface MountSurface MountNumber of A/D ConvertersNumber of A/D Converters	Sampling Rate (Per Second)	200k	200k	200k	200k
PackageTubeTubeTubeTubePackageTubeTubeTubeTubeInput TypeSingle EndedSingle EndedSingle EndedSingle EndedVotage - Supply, AnalogSvSvSvSvSuppler Device PackageSe-SofCSe-SofCSe-SofCSe-SofCNumber of Tupus1Suface MountSuface MountSuface MountSuface MountNumber of A/D Converters1Suffice MountSuffice MountSuffice MountSuffice MountSuffice MountNumber of A/D ConvertersNumber of MountSuffice MountSuffice MountSuffice MountSuffice MountSuffice MountNumber of A/D ConvertersNumber of MountSuffice MountSuffice MountSuffice MountSuffice MountSuffice MountSuffice MountSuffice MountNumber of A/D ConvertersNumber of MountNumber of MountSuffice MountSuffice MountSuffice MountSuffice MountSuffice MountNumber of Mount <td>Data Interface</td> <td>Parallel</td> <td>Parallel</td> <td>Parallel</td> <td>Parallel</td>	Data Interface	Parallel	Parallel	Parallel	Parallel
Input TypeSingle EndedSingle EndedSingle EndedSingle EndedVoltage - Supply, AnalogSvSvSvSvSupplier Device Package28-SDIC28-SDIC28-SDIC28-SDICNumber of Inputs11111Number of A/D Converters11111	Number of Bits	16	16	16	16
Voltage - Supply, AnalogSvSvSvSvSupplier Device Package28-SOIC28-SOIC28-SOIC28-SOICNumber of Inputs11111Munding TypeSurface MountSurface MountSurface MountSurface MountNumber of A/D Converters1111	Package	Tube	Tube	Tube	Tube
Supplier Device PackageSesonSesonSesonSesonSesonNumber of Inputs111111Mounting TypeSurface MountSurface MountSurface MountSurface MountSurface MountNumber of A/D ConvertersIIIIII	Input Type	Single Ended	Single Ended	Single Ended	Single Ended
Number of Inputs1111Number of A/D Converters1111Image: Input set of the se	Voltage - Supply, Analog	5V	5V	5V	5V
Mounting Type Surface Mount Surface Mount Surface Mount Surface Mount Number of A/D Converters 1 1 1 1 1	Supplier Device Package	28-SOIC	28-SSOP	28-SOIC	28-SSOP
Number of A/D Converters 1 1 1	Number of Inputs	1	1	1	1
	Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
	Number of A/D Converters	1	1	1	1
Ratio - S/H:ADC 1:1 1:1 1:1	Ratio - S/H:ADC	1:1	1:1	1:1	1:1

AD976AAR Datasheet PDF

Download AD976AAR pdf datasheets and Analog Devices Inc. documentation for AD976AAR - Analog Devices Inc..

Datasheets

Ľ

AD976, AD976A.pdf

PCN Obsolescence/ EOL

Lead(Pb)- Bearing Dev OBS 19/Jun/2017.pdf

PCN Design/Specification



AD976, AD976A Polyimide thickness/Pad Size 26/Jul/2.pdf

AD976, AD976A Polymide and Bond Pad 13/Sep/2013.pdf

Customers Also Interested in

Recommended Products





AD976ABRSZ

Analog Devices Inc. IC ADC 16BIT SAR 28SSOP



Analog Devices Inc. IC ADC 16BIT SAR 28SOIC



Ľ

AD976AARSZ Analog Devices Inc. IC ADC 16BIT SAR 28SSOP



AD9768JD Analog Devices Inc. IC DAC 8BIT A-OUT 18SBDIP



AD976ABN Analog Devices Inc. IC ADC 16BIT SAR 28DIP



AD976AANZ

Analog Devices Inc. IC ADC 16BIT SAR 28DIP



AD9767ASTRL

Analog Devices Inc.

IC DAC 14BIT DUAL 125MSPS

48LQFP

ANALOG DEVICES AHEAD OF WHAT'S POSSIBLE*

AD9768SQ

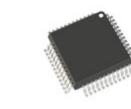
ADI (Analog Devices, Inc.)



AD976AAN Analog Devices Inc. IC ADC 16BIT SAR 28DIP



AD976ABNZ Analog Devices Inc. IC ADC 16BIT SAR 28DIP



AD9767ASTZRL

Analog Devices Inc. IC DAC 14BIT A-OUT 48LQFP



AD976AARZ-RL

Analog Devices Inc. IC ADC 16BIT SAR 28SOIC



AD9768SE

Analog Devices Inc. IC DAC 8BIT A-OUT 20LCCC



AD976AARZ Analog Devices Inc. IC ADC 16BIT SAR 28SOIC



AD976ABR Analog Devices Inc. IC ADC 16BIT SAR 28SOIC



AD9767ASTZ Analog Devices Inc. IC DAC 14BIT A-OUT 48LQFP



AD9768SD

ADI (Analog Devices, Inc.)



AD976ABRS

Analog Devices Inc. IC ADC 16BIT SAR 28SSOP

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		
America	Brazil	7		
	Germany	5		
Europe	United Kingdom	4		
	Italy	5		
Oceania	Australia	6		
Oceania	New Zealand	7		
Acia	India	6		
Asia	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 -

Ś Efficient Supply Management



Cost-Saving Procurement

Fast Sourcing & Delivery

Certifications & Memberships



Contact us if you have any questions.



Phone

Email

+00852 9146 4856

info@allelco.com



View More



Copyright © 2012-2023 AllelcoElec.com. All rights reserved.

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong **Phone:** +00852 9146 4856 **Fax:** +00852 3010 8510 Email: info@Allelco.com