

# THS5651AIDW

## **THS5651AIDW Information**

Anna bergener com	Part Number Manufacturer Category	THS5651AIDW Texas Instruments Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC)	
	Description	IC 10 BIT 125 MSPS DAC 28-SOIC	681 10 10 10
	Package	28-SOIC (0.295", 7.50mm Width)	III 442-46
For Reference Only		For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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# **THS5651AIDW Specifications**

Manufacturer Part NumberTHSS651AIDWManufacturerExas InstrumentsCategoryIntegrated Circuits (ICs)Data Acquisition - Digital to Analog Converters (DAC)Package28-SOIC (0.295", 7.50mm Width)SeriesCommsDAC?Number of Bits0Number of D/A Converters1Setting Time35ns (Typ)Output TypeCurrent - UnbufferedData InterfacePackagePackage Supply, Analog5VVoltage - Supply, Digital3V ~ 5.5 VNurbNt (LSB)30.5 (S)ArchitectureGurent SourceOperating Temperature40°C ~ 85°CPackage / CaseSasOIC (0.295", 7.50mm Width)Supplier Device PackageSasOIC (0.295", 7.50mm Width)		
CategoryIntegrated Circuits (ICs)Data Acquisition - Digital to Analog Converters (DAC)Package28-SOIC (0.295", 7.50mm Width)SeriesCommsDAC?Number of Bits10Number of D/A Converters1Settling Time35ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital3 V ~ 5.5 VArchitectureCurrent SourceOperating Temperature-40°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)	Manufacturer Part Number	THS5651AIDW
Data Acquisition - Digital to Analog Converters (DAC)Package28-SOIC (0.295", 7.50mm Width)SeriesCommsDAC?Number of Bits10Number of D/A Converters1Settling Time35ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital3 V ~ 5.5 VINL/DNL (LSB)±0.5, ±0.25ArchitectureCurrent SourceOperating Temperature40°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)	Manufacturer	Texas Instruments
Package28-SOIC (0.295", 7.50mm Width)SeriesCommsDAC?Number of Bits10Number of D/A Converters1Settling Time35ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital3 V ~ 5.5 VINL/DNL (LSB)40.5 ± 0.25Operating Temperature40.°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)	Category	Integrated Circuits (ICs)
SeriesCommsDAC?Number of Bits10Number of D/A Converters1Settling Time35ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, AnalogSVVoltage - Supply, Digital3 V ~ 5.5 VINL/DNL (LSB)=0.5 ± 0.25ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits10Number of D/A Converters1Settling Time35ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital3 V ~ 5.5 VINL/DNL (LSB)±0.5, ±0.25ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)	Package	28-SOIC (0.295", 7.50mm Width)
Number of D/A Converters1Settling Time35ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital3V ~ 5.5 VINL/DNL (LSB)=0.5 ± 0.25ArchitectureCurrent SourceOperating Temperature40°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Series	CommsDAC?
Settling Time35ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital3 V ~ 5.5 VINL/DNL (LSB)±0.5, ±0.25ArchitectureCurrent SourceOperating Temperature+40°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)	Number of Bits	10
Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital3 V ~ 5.5 VINL/DNL (LSB)±0.5, ±0.25ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Number of D/A Converters	1
Differential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital3 V ~ 5.5 VINL/DNL (LSB)±0.5, ±0.25ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Settling Time	35ns (Typ)
Data InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital3 V ~ 5.5 VNL/DNL (LSB)±0.5, ±0.25ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Output Type	Current - Unbuffered
Reference TypeExternal, InternalVoltage - Supply, Analog5VVoltage - Supply, Digital3 V ~ 5.5 VINL/DNL (LSB)±0.5, ±0.25ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Differential Output	Yes
Voltage - Supply, Analog5VVoltage - Supply, Digital3 V ~ 5.5 VINL/DNL (LSB)±0.5, ±0.25ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Data Interface	Parallel
Voltage - Supply, Digital3 V ~ 5.5 VINL/DNL (LSB)±0.5, ±0.25ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Reference Type	External, Internal
INL/DNL (LSB)±0.5, ±0.25ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Voltage - Supply, Analog	5V
ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Voltage - Supply, Digital	3 V ~ 5.5 V
Operating Temperature-40°C ~ 85°CPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	INL/DNL (LSB)	$\pm 0.5, \pm 0.25$
Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Architecture	Current Source
Supplier Device Package 28-SOIC	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
	Package / Case	28-SOIC (0.295", 7.50mm Width)
	Supplier Device Package	28-SOIC
Mounting Type -	Mounting Type	-
Report error		Report errors?

#### **THS5651AIDW Guarantees**



Quality Guarantees

We provide 90 days warranty. \* If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.

# SERVICE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

## **THS5651AIDW Payment Methods**





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