

DAC902E

DAC902E Information

Provident Statement		DAC902E Texas Instruments Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC)	
and a	Description	IC 12-BIT D/A CONV 28-TSSOP	
	Package	28-TSSOP (0.173", 4.40mm Width)	IN 1997
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

Certified Quality

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DAC902E Specifications

Manufacturer Part NumberDAC902EManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC)Package28-TSSOP (0.173", 4.40mm Width)SeriesSpeedPlus?Number of Bits12Number of D/A Converters1Settling Time30ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Digital2.7 V ~ 5.5 VVoltage - Supply, Digital±1, ±0.5ArchitectureCurrent SourceOperating Temperature400°C ~ 85°C		
Category Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) Package 28-TSSOP (0.173", 4.40mm Width) Series SpeedPlus? Number of Bits 12 Number of D/A Converters 1 Settling Time 30ns (Typ) Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Voltage - Supply, Analog 2.7 V ~ 5.5 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) ±1, ±0.5 Architecture Current Source Operating Temperature 40°C ~ 85°C	Manufacturer Part Number	DAC902E
Data Acquisition - Digital to Analog Converters (DAC)Package28-TSSOP (0.173", 4.40mm Width)SeriesSpeedPlus?Number of Bits12Number of D/A Converters1Settling Time30ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog $2.7 V \sim 5.5 V$ Voltage - Supply, Digital $\pm 1, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature $+40^\circC \sim 85^\circC$	Manufacturer	Texas Instruments
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Settling Time30ns (Typ)Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±1, ±0.5ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°C	Number of Bits	12
Output TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog $2.7 V \sim 5.5 V$ Voltage - Supply, Digital $2.7 V \sim 5.5 V$ INL/DNL (LSB) $\pm 1, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}C \sim 85^{\circ}C$	Number of D/A Converters	1
Differential OutputYesData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog $2.7 V \sim 5.5 V$ Voltage - Supply, Digital $2.7 V \sim 5.5 V$ INL/DNL (LSB) $\pm 1, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature -40° C ~ 85°C	Settling Time	30ns (Typ)
Data InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog $2.7 V ~ 5.5 V$ Voltage - Supply, Digital $2.7 V ~ 5.5 V$ INL/DNL (LSB) $\pm 1, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature -40° C ~ 85°C	Output Type	Current - Unbuffered
Reference TypeExternal, InternalVoltage - Supply, Analog $2.7 V \sim 5.5 V$ Voltage - Supply, Digital $2.7 V \sim 5.5 V$ INL/DNL (LSB) $\pm 1, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}C \sim 85^{\circ}C$	Differential Output	Yes
Voltage - Supply, Analog $2.7 V \sim 5.5 V$ Voltage - Supply, Digital $2.7 V \sim 5.5 V$ INL/DNL (LSB) $\pm 1, \pm 0.5$ ArchitectureCurrent SourceOperating Temperature $-40^{\circ}C \sim 85^{\circ}C$	Data Interface	Parallel
Voltage - Supply, Digital $2.7 V \sim 5.5 V$ INL/DNL (LSB) $\pm 1, \pm 0.5$ Architecture Current Source Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$	Reference Type	External, Internal
INL/DNL (LSB)±1, ±0.5ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°C	Voltage - Supply, Analog	2.7 V ~ 5.5 V
ArchitectureCurrent SourceOperating Temperature-40°C ~ 85°C	Voltage - Supply, Digital	2.7 V ~ 5.5 V
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	INL/DNL (LSB)	$\pm 1, \pm 0.5$
	Architecture	Current Source
	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
Package / Case 28-15SOP (0.1/3", 4.40mm Width)	Package / Case	28-TSSOP (0.173", 4.40mm Width)
Supplier Device Package 28-TSSOP	Supplier Device Package	28-TSSOP
Mounting Type -	Mounting Type	-
Report errors		Report errors?

DAC902E 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.

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Service Guarantees

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

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