

# DAC122S085CIMMX/NOPB

### DAC122S085CIMMX/NOPB Information



For Reference Only

Part Number DAC122S085CIMMX/NOPB

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

**Description** DAC 12BIT DUAL R-R 10-MSOP

**Package** 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## **DAC122S085CIMMX/NOPB Specifications**

Manufacturer Part Number         DAC122S085CIMMX/NOPB           Manufacturer         Texas Instruments           Category         Integrated Circuits (ICs)           Package         10-TFSOP, 10-MSOP (0.118", 3.00mm Width)           Series         -           Number of Bits         12           Number of D/A Converters         2           Settling Time         8.5μs           Output Type         Voltage - Buffered           Differential Output         No           Data Interface         SPI, DSP           Reference Type         External           Voltage - Supply, Analog         2.7 V ~ 5.5 V           Voltage - Supply, Digital         2.7 V ~ 5.5 V           INL/DNL (LSB)         ±2.4, +0.2/-0.1           Architecture         String DAC           Operating Temperature         -40°C ~ 105°C           Package / Case         10-TFSOP, 10-MSOP (0.118", 3.00mm Width)           Supplier Device Package         10-VSSOP           Mounting Type         -		
Category         Integrated Circuits (ICs)           Data Acquisition - Digital to Analog Converters (DAC)           Package         10-TFSOP, 10-MSOP (0.118", 3.00mm Width)           Series         -           Number of Bits         12           Number of D/A Converters         2           Settling Time         8.5µs           Output Type         Voltage - Buffered           Differential Output         No           Data Interface         SPI, DSP           Reference Type         External           Voltage - Supply, Analog         2.7 V ~ 5.5 V           Voltage - Supply, Digital         2.7 V ~ 5.5 V           INL/DNL (LSB)         ±2.4, +0.2/-0.1           Architecture         String DAC           Operating Temperature         -40°C ~ 105°C           Package / Case         10-TFSOP, 10-MSOP (0.118", 3.00mm Width)           Supplier Device Package         10-VSSOP           Mounting Type         -	Manufacturer Part Number	DAC122S085CIMMX/NOPB
Data Acquisition - Digital to Analog Converters (DAC)Package10-TFSOP, 10-MSOP (0.118", 3.00mm Width)Series-Number of Bits12Number of D/A Converters2Settling Time8.5μsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±2.4, +0.2/-0.1ArchitectureString DACOperating Temperature-40°C ~ 105°CPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width)Supplier Device Package10-VSSOPMounting Type-	Manufacturer	Texas Instruments
Package         10-TFSOP, 10-MSOP (0.118", 3.00mm Width)           Series         -           Number of Bits         12           Number of D/A Converters         2           Settling Time         8.5 μs           Output Type         Voltage - Buffered           Differential Output         No           Data Interface         SPI, DSP           Reference Type         External           Voltage - Supply, Analog         2.7 V ~ 5.5 V           Voltage - Supply, Digital         2.7 V ~ 5.5 V           INL/DNL (LSB)         ±2.4, ±0.2/-0.1           Architecture         String DAC           Operating Temperature         -40°C ~ 105°C           Package / Case         10-TFSOP, 10-MSOP (0.118", 3.00mm Width)           Supplier Device Package         10-VSSOP           Mounting Type         -	Category	Integrated Circuits (ICs)
Series         -           Number of Bits         12           Number of D/A Converters         2           Settling Time         8.5μs           Output Type         Voltage - Buffered           Differential Output         No           Data Interface         SPI, DSP           Reference Type         External           Voltage - Supply, Analog         2.7 V ~ 5.5 V           Voltage - Supply, Digital         2.7 V ~ 5.5 V           INL/DNL (LSB)         ±2.4, +0.2/-0.1           Architecture         String DAC           Operating Temperature         -40°C ~ 105°C           Package / Case         10-TFSOP, 10-MSOP (0.118", 3.00mm Width)           Supplier Device Package         10-VSSOP           Mounting Type         -		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits  12  Number of D/A Converters  2  Settling Time  8.5µs  Output Type  Voltage - Buffered  Differential Output  No  Data Interface  SPI, DSP  Reference Type  External  Voltage - Supply, Analog  2.7 V ~ 5.5 V  Voltage - Supply, Digital  2.7 V ~ 5.5 V  INL/DNL (LSB)  42.4, +0.2/-0.1  Architecture  String DAC  Operating Temperature  -40°C ~ 105°C  Package / Case  10-TFSOP, 10-MSOP (0.118", 3.00mm Width)  Supplier Device Package  Mounting Type  -  12  12  12  12  13  14  15  16  17  18  19  19  10  10  10  10  10  10  10  10	Package	10-TFSOP, 10-MSOP (0.118", 3.00mm Width)
Number of D/A Converters2Settling Time $8.5\mu s$ Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog $2.7 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 2.4, +0.2/-0.1$ ArchitectureString DACOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $10\text{-TFSOP}, 10\text{-MSOP} (0.118", 3.00mm Width)$ Supplier Device Package $10\text{-VSSOP}$ Mounting Type-	Series	-
Settling Time8.5μsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±2.4, +0.2/-0.1ArchitectureString DACOperating Temperature-40°C ~ 105°CPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width)Supplier Device Package10-VSSOPMounting Type-	Number of Bits	12
Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±2.4, +0.2/-0.1ArchitectureString DACOperating Temperature-40°C ~ 105°CPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width)Supplier Device Package10-VSSOPMounting Type-	Number of D/A Converters	2
Differential Output  Data Interface  SPI, DSP  Reference Type  External  Voltage - Supply, Analog  Voltage - Supply, Digital  2.7 V ~ 5.5 V  INL/DNL (LSB)  42.4, +0.2/-0.1  Architecture  String DAC  Operating Temperature  -40°C ~ 105°C  Package / Case  10-TFSOP, 10-MSOP (0.118", 3.00mm Width)  Supplier Device Package  Mounting Type  -	Settling Time	8.5μs
Data InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±2.4, +0.2/-0.1ArchitectureString DACOperating Temperature-40°C ~ 105°CPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width)Supplier Device Package10-VSSOPMounting Type-	Output Type	Voltage - Buffered
Reference Type External  Voltage - Supply, Analog 2.7 V ~ 5.5 V  Voltage - Supply, Digital 2.7 V ~ 5.5 V  INL/DNL (LSB) ±2.4, +0.2/-0.1  Architecture String DAC  Operating Temperature -40°C ~ 105°C  Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)  Supplier Device Package 10-VSSOP  Mounting Type -	Differential Output	No
Voltage - Supply, Analog $2.7 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 2.4$ , $\pm 0.2$ /-0.1ArchitectureString DACOperating Temperature $\pm 40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $\pm 10^{\circ}\text{TFSOP}$ , $\pm 10^{\circ}\text{MSOP}$ (0.118", $\pm 10^{\circ}\text{MSOP}$ (0.118", $\pm 10^{\circ}\text{MSOP}$ (0.118", $\pm 10^{\circ}\text{MSOP}$ (0.118")Supplier Device Package $\pm 10^{\circ}\text{NSOP}$ Mounting Type $\pm 10^{\circ}\text{MSOP}$ (0.118")	Data Interface	SPI, DSP
Voltage - Supply, Digital 2.7 V $\sim$ 5.5 V INL/DNL (LSB) $\pm$ 2.4, $\pm$ 40.2/-0.1 String DAC Operating Temperature $\pm$ 40°C $\sim$ 105°C Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-VSSOP -	Reference Type	External
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Voltage - Supply, Analog	2.7 V ~ 5.5 V
Architecture String DAC  Operating Temperature -40°C ~ 105°C  Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)  Supplier Device Package 10-VSSOP  Mounting Type -	Voltage - Supply, Digital	2.7 V ~ 5.5 V
Operating Temperature -40°C ~ 105°C  Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)  Supplier Device Package 10-VSSOP  Mounting Type -	INL/DNL (LSB)	±2.4, +0.2/-0.1
Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)  Supplier Device Package 10-VSSOP  Mounting Type -	Architecture	String DAC
Supplier Device Package 10-VSSOP  Mounting Type -	Operating Temperature	-40°C ~ 105°C
Mounting Type -	Package / Case	10-TFSOP, 10-MSOP (0.118", 3.00mm Width)
	Supplier Device Package	10-VSSOP
Report errors?	Mounting Type	-
		Report errors?

### DAC122S085CIMMX/NOPB Guarantees



#### **Ouality 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 Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## DAC122S085CIMMX/NOPB Payment Methods



















## DAC122S085CIMMX/NOPB Shipping Methods













If you have any question about DAC122S085CIMMX/NOPB, please do not hesitate to contact us!

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