

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

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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 - | | |
|--|---------------------------|---|
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| 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-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) ± 2.4 , ± 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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