



TLV5617AID Information



For Reference Only

Part Number TLV5617AID

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

Description IC 10 BIT 2.5US DAC S/O 8-SOIC **Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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TLV5617AID Specifications

| Manufacturer Part Number TLV5617AID Manufacturer Texas Instruments Category Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) Package 8-SOIC (0.154", 3.90mm Width) Series - Number of Bits 10 Number of D/A Converters 2 Settling Time 10µs Output Type Voltage - Buffered Differential Output No Data Interface SPI Reference Type External Voltage - Supply, Analog 2.7 V ~ 3.3 V, 5V Voltage - Supply, Digital 2.7 V ~ 3.3 V, 5V INL/DNL (LSB) ±0.7, ±0.1 Architecture String DAC Operating Temperature -40°C ~ 85°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC Mounting Type - | | |
|--|---------------------------|---|
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| Series - Number of Bits 10 Number of D/A Converters 2 Settling Time 10 μ s 10 | | Data Acquisition - Digital to Analog Converters (DAC) |
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| Number of D/A Converters2Settling Time $10\mu s$ Output TypeVoltage - BufferedDifferential OutputNoData InterfaceSPIReference TypeExternalVoltage - Supply, Analog $2.7 \text{ V} \sim 3.3 \text{ V}, 5 \text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 3.3 \text{ V}, 5 \text{ V}$ INL/DNL (LSB) $\pm 0.7, \pm 0.1$ ArchitectureString DACOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 8-SOIC (0.154", 3.90mm Width)Supplier Device Package 8-SOIC Mounting Type $-$ | Series | - |
| Settling Time 10µs Output Type Voltage - Buffered Differential Output No Data Interface SPI Reference Type External Voltage - Supply, Analog 2.7 V ~ 3.3 V, 5V Voltage - Supply, Digital 2.7 V ~ 3.3 V, 5V INL/DNL (LSB) ±0.7, ±0.1 Architecture String DAC Operating Temperature -40°C ~ 85°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package Mounting Type - | Number of Bits | 10 |
| Output Type Voltage - Buffered Differential Output No Data Interface SPI Reference Type External Voltage - Supply, Analog 2.7 V ~ 3.3 V, 5V Voltage - Supply, Digital 2.7 V ~ 3.3 V, 5V INL/DNL (LSB) ±0.7, ±0.1 Architecture String DAC Operating Temperature -40°C ~ 85°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC Mounting Type - | Number of D/A Converters | 2 |
| Differential Output Data Interface Reference Type External Voltage - Supply, Analog Voltage - Supply, Digital INL/DNL (LSB) Architecture Operating Temperature Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package Mounting Type No External 2.7 V ~ 3.3 V, 5V 2.7 V ~ 3.3 V, 5V 4.7 V ~ 3. | Settling Time | 10μs |
| Data InterfaceSPIReference TypeExternalVoltage - Supply, Analog2.7 V ~ 3.3 V, 5VVoltage - Supply, Digital2.7 V ~ 3.3 V, 5VINL/DNL (LSB)±0.7, ±0.1ArchitectureString DACOperating Temperature-40°C ~ 85°CPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOICMounting Type- | Output Type | Voltage - Buffered |
| Reference Type External Voltage - Supply, Analog 2.7 V ~ 3.3 V, 5V Voltage - Supply, Digital 2.7 V ~ 3.3 V, 5V INL/DNL (LSB) Architecture String DAC Operating Temperature -40°C ~ 85°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package Mounting Type - | Differential Output | No |
| Voltage - Supply, Analog $2.7 \text{ V} \sim 3.3 \text{ V}, 5\text{ V}$ Voltage - Supply, Digital $2.7 \text{ V} \sim 3.3 \text{ V}, 5\text{ V}$ INL/DNL (LSB) $\pm 0.7, \pm 0.1$ ArchitectureString DACOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $8\text{-SOIC } (0.154^{\circ}, 3.90\text{mm Width})$ Supplier Device Package 8-SOIC Mounting Type- | Data Interface | SPI |
| Voltage - Supply, Digital 2.7 V \sim 3.3 V, 5V INL/DNL (LSB) \pm 0.7, \pm 0.1 Architecture String DAC Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC Mounting Type - | Reference Type | External |
| $ \begin{array}{llllllllllllllllllllllllllllllllllll$ | Voltage - Supply, Analog | 2.7 V ~ 3.3 V, 5V |
| Architecture String DAC Operating Temperature -40°C ~ 85°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC Mounting Type - | Voltage - Supply, Digital | 2.7 V ~ 3.3 V, 5V |
| Operating Temperature -40°C ~ 85°C Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC Mounting Type - | INL/DNL (LSB) | $\pm 0.7, \pm 0.1$ |
| Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC Mounting Type - | Architecture | String DAC |
| Supplier Device Package 8-SOIC Mounting Type - | Operating Temperature | -40°C ~ 85°C |
| Mounting Type - | Package / Case | 8-SOIC (0.154", 3.90mm Width) |
| | Supplier Device Package | 8-SOIC |
| Report errors? | Mounting Type | - |
| Report errors. | | Report errors? |

TLV5617AID 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 Guarantees

We guarantee 100% customer satisfaction.

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

TLV5617AID Payment Methods



















TLV5617AID Shipping Methods













If you have any question about TLV5617AID, please do not hesitate to contact us!

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