



AD5424YRUZ Information



For Reference Only

Part NumberAD5424YRUZManufacturerAnalog Devices Inc.CategoryIntegrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

Description IC DAC 8BIT MULTIPLYING 16-TSSOP

Package 16-TSSOP (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

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



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AD5424YRUZ Specifications

Manufacturer Part Number AD5424YRUZ Manufacturer Analog Devices Inc. Category Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) Package 16-TSSOP (0.173", 4.40mm Width) Series - Number of Bits 8 Number of D/A Converters 1 Settling Time 120ns Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External Voltage - Supply, Analog 2.5 V ~ 5.5 V Voltage - Supply, Digital 2.5 V ~ 5.5 V NIL/DNL (LSB) ±0.25 (Max), ±0.5 (Max) Architecture R-2R Operating Temperature -40°C ~ 125°C Package / Case 16-TSSOP (0.173", 4.40mm Width) Supplier Device Package 16-TSSOP Mounting Type -		
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Package16-TSSOP (0.173", 4.40mm Width)Series-Number of Bits8Number of D/A Converters1Settling Time120nsOutput TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternalVoltage - Supply, Analog2.5 V ~ 5.5 VVoltage - Supply, Digital2.5 V ~ 5.5 VINL/DNL (LSB)±0.25 (Max), ±0.5 (Max)ArchitectureR-2ROperating Temperature-40°C ~ 125°CPackage / Case16-TSSOP (0.173", 4.40mm Width)Mounting Type-	Manufacturer	Analog Devices Inc.
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Series - Number of Bits 8 Number of D/A Converters 1 Settling Time 120ns Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External Voltage - Supply, Analog 2.5 V ~ 5.5 V Voltage - Supply, Digital 2.5 V ~ 5.5 V INL/DNL (LSB) ±0.25 (Max), ±0.5 (Max) Architecture R-2R Operating Temperature -40°C ~ 125°C Package / Case 16-TSSOP (0.173", 4.40mm Width) Supplier Device Package 16-TSSOP Mounting Type -		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits Number of D/A Converters 1 Settling Time 120ns Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External Voltage - Supply, Analog 2.5 V ~ 5.5 V Voltage - Supply, Digital 2.5 V ~ 5.5 V INL/DNL (LSB) Architecture R-2R Operating Temperature -40°C ~ 125°C Package / Case 16-TSSOP (0.173", 4.40mm Width) Supplier Device Package Mounting Type -40°C ~ 125°C	Package	16-TSSOP (0.173", 4.40mm Width)
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Settling Time120nsOutput TypeCurrent - UnbufferedDifferential OutputYesData InterfaceParallelReference TypeExternalVoltage - Supply, Analog2.5 V ~ 5.5 VVoltage - Supply, Digital2.5 V ~ 5.5 VINL/DNL (LSB)±0.25 (Max), ±0.5 (Max)ArchitectureR-2ROperating Temperature-40°C ~ 125°CPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOPMounting Type-	Number of Bits	8
Output Type Current - Unbuffered Differential Output Yes Data Interface Parallel Reference Type External Voltage - Supply, Analog 2.5 V ~ 5.5 V Voltage - Supply, Digital INL/DNL (LSB) Architecture R-2R Operating Temperature Package / Case 16-TSSOP (0.173", 4.40mm Width) Supplier Device Package Mounting Type Current - Unbuffered Yes Current - Unbuffered Yes Label Action External 2.5 V ~ 5.5 V (Max) External 2.5 V ~ 5.5 V (Max) 4.025 (Max	Number of D/A Converters	1
Differential Output Parallel Reference Type External Voltage - Supply, Analog Voltage - Supply, Digital INL/DNL (LSB) Architecture Operating Temperature Package / Case 16-TSSOP Mounting Type Parallel External 2.5 V ~ 5.5 V 2.5 V ~ 5.5 V (Max) 4.0 (Max) 4.0 (Max) 4.40mm Width) - Comparing Temperature	Settling Time	120ns
Data InterfaceParallelReference TypeExternalVoltage - Supply, Analog2.5 V ~ 5.5 VVoltage - Supply, Digital2.5 V ~ 5.5 VINL/DNL (LSB)±0.25 (Max), ±0.5 (Max)ArchitectureR-2ROperating Temperature-40°C ~ 125°CPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOPMounting Type-	Output Type	Current - Unbuffered
Reference TypeExternalVoltage - Supply, Analog $2.5 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $2.5 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 0.25 \text{ (Max)}, \pm 0.5 \text{ (Max)}$ Architecture $R-2R$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $16-\text{TSSOP} (0.173", 4.40 \text{mm Width})$ Supplier Device Package $16-\text{TSSOP}$ Mounting Type-	Differential Output	Yes
Voltage - Supply, Analog $2.5 \text{ V} \sim 5.5 \text{ V}$ Voltage - Supply, Digital $2.5 \text{ V} \sim 5.5 \text{ V}$ INL/DNL (LSB) $\pm 0.25 \text{ (Max)}, \pm 0.5 \text{ (Max)}$ ArchitectureR-2ROperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $16\text{-TSSOP} \text{ (0.173", 4.40mm Width)}$ Supplier Device Package 16-TSSOP Mounting Type-	Data Interface	Parallel
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Architecture R-2R Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $16\text{-TSSOP} (0.173'', 4.40\text{mm Width})$ Supplier Device Package 16-TSSOP Mounting Type $-$	Voltage - Supply, Digital	2.5 V ~ 5.5 V
Operating Temperature -40°C ~ 125°C Package / Case 16-TSSOP (0.173", 4.40mm Width) Supplier Device Package 16-TSSOP Mounting Type -	INL/DNL (LSB)	±0.25 (Max), ±0.5 (Max)
Package / Case 16-TSSOP (0.173", 4.40mm Width) Supplier Device Package 16-TSSOP Mounting Type -	Architecture	R-2R
Supplier Device Package 16-TSSOP Mounting Type -	Operating Temperature	-40°C ~ 125°C
Mounting Type -	Package / Case	16-TSSOP (0.173", 4.40mm Width)
	Supplier Device Package	16-TSSOP
Report errors?	Mounting Type	-
		Report errors?

AD5424YRUZ 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.

AD5424YRUZ Payment Methods



















AD5424YRUZ Shipping Methods













If you have any question about AD5424YRUZ, please do not hesitate to contact us!

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