



AD5542JR Information

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For Reference Only

Part Number AD5542JR

Manufacturer Analog Devices Inc.

Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

Description IC DAC 16BIT SERIAL-IN 14-SOIC **Package** 14-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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AD5542JR Specifications

Manufacturer Part Number AD5542JR Manufacturer Analog Devices Inc. Category Integrated Circuits (ICs) Data Acquisition - Digital to Analog Converters (DAC) Package 14-SOIC (0.154", 3.90mm Width) Series - Number of Bits 16 Number of D/A Converters 1 Settling Time 1μs (Typ) Output Type Voltage - Unbuffered 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) ±0.5, ±0.5 Architecture R-2R Operating Temperature 0°C ~ 70°C Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC Mounting Type -		
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Series - Number of Bits 16 Number of D/A Converters 1 Settling Time 1μs (Typ) Output Type Voltage - Unbuffered 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) ±0.5, ±0.5 Architecture R-2R Operating Temperature 0°C ~ 70°C Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC Mounting Type -		Data Acquisition - Digital to Analog Converters (DAC)
Number of Bits16Number of D/A Converters1Settling Time1μs (Typ)Output TypeVoltage - UnbufferedDifferential OutputNoData InterfaceSPI, DSPReference TypeExternalVoltage - Supply, Analog2.7 V ~ 5.5 VVoltage - Supply, Digital2.7 V ~ 5.5 VINL/DNL (LSB)±0.5, ±0.5ArchitectureR-2ROperating Temperature0°C ~ 70°CPackage / Case14-SOIC (0.154", 3.90mm Width)Mounting Type-	Package	14-SOIC (0.154", 3.90mm Width)
Number of D/A Converters1Settling Time $1 \mu s$ (Typ)Output Type $Voltage$ - UnbufferedDifferential 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) $\pm 0.5, \pm 0.5$ ArchitectureR-2ROperating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case 14-SOIC (0.154", 3.90mm Width)Supplier Device Package 14-SOIC Mounting Type-	Series	-
Settling Time $ l_{\mu s} (Typ) $ Output Type $ Voltage - Unbuffered $ Differential Output $ No $ Data Interface $ SPI, DSP $ Reference Type $ External $ Voltage - Supply, Analog $ 2.7 \ V \sim 5.5 \ V $ Voltage - Supply, Digital $ 2.7 \ V \sim 5.5 \ V $ INL/DNL (LSB) $ \pm 0.5, \pm 0.5 $ Architecture $ R-2R $ Operating Temperature $ 0^{\circ}C \sim 70^{\circ}C $ Package / Case $ 14-SOIC \ (0.154^{"}, 3.90 \text{mm Width}) $ Supplier Device Package $ 14-SOIC $ Mounting Type $ - $	Number of Bits	16
Output Type Differential Output No Data Interface SPI, DSP Reference Type External Voltage - Supply, Analog 2.7 V ~ 5.5 V Voltage - Supply, Digital INL/DNL (LSB) Architecture Operating Temperature Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package Mounting Type Voltage - Unbuffered No External 2.7 V ~ 5.5 V External 2.7 V ~ 5.5 V Voltage - Supply, Digital 2.7 V ~ 5.5 V External 2.7 V ~ 5.5 V Voltage - Supply, Digital 2.7 V ~ 5.5 V INL/DNL (LSB) 40.5, ±0.5 Architecture R-2R Operating Temperature 14-SOIC (0.154", 3.90mm Width)	Number of D/A Converters	1
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Reference 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) $\pm 0.5, \pm 0.5$ ArchitectureR-2ROperating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $14\text{-SOIC} (0.154^{\circ}, 3.90 \text{mm Width})$ Supplier Device Package 14-SOIC 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) $\pm 0.5, \pm 0.5$ Architecture $-0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $-14\text{-SOIC} = -14\text{-SOIC} = -14-SOIC$	Data Interface	SPI, DSP
Voltage - Supply, Digital 2.7 V \sim 5.5 V INL/DNL (LSB) \pm 0.5, \pm 0.5 Architecture R-2R Operating Temperature 0°C \sim 70°C Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC Mounting Type -	Reference Type	External
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Architecture R-2R Operating Temperature 0°C ~ 70°C Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC Mounting Type -	Voltage - Supply, Digital	2.7 V ~ 5.5 V
Operating Temperature0°C ~ 70°CPackage / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOICMounting Type-	INL/DNL (LSB)	$\pm 0.5, \pm 0.5$
Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC Mounting Type -	Architecture	R-2R
Supplier Device Package 14-SOIC Mounting Type -	Operating Temperature	0°C ~ 70°C
Mounting Type -	Package / Case	14-SOIC (0.154", 3.90mm Width)
	Supplier Device Package	14-SOIC
Report errors?	Mounting Type	-
		Report errors?

AD5542JR 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.

AD5542JR Payment Methods





















AD5542JR Shipping Methods













If you have any question about AD5542JR, please do not hesitate to contact us!

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