



#### **AD565AJRZ Information**



For Reference Only

Part Number AD565AJRZ

Manufacturer Analog Devices Inc.

Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

**Description** IC DAC 12BIT MONO 250NS 28SOIC **Package** 28-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

us

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



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## **AD565AJRZ Specifications**

| Manufacturer Part Number       AD565AJRZ         Manufacturer       Analog Devices Inc.         Category       Integrated Circuits (ICs)         Data Acquisition - Digital to Analog Converters (DAC)         Package       28-SOIC (0.295", 7.50mm Width)         Series       -         Number of Bits       12         Number of D/A Converters       1         Settling Time       400ns         Output Type       Current - Unbuffered         Differential Output       No         Data Interface       Parallel         Reference Type       External, Internal         Voltage - Supply, Analog       ±11.4 V ~ 16.5 V         Voltage - Supply, Digital       -         INL/DNL (LSB)       ±0.5, ±0.5         Architecture       R-2R         Operating Temperature       0°C ~ 70°C         Package / Case       28-SOIC (0.295", 7.50mm Width)         Supplier Device Package       28-SOIC         Mounting Type       - |                           |                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------|
| Category         Integrated Circuits (ICs)           Data Acquisition - Digital to Analog Converters (DAC)           Package         28-SOIC (0.295", 7.50mm Width)           Series         -           Number of Bits         12           Number of D/A Converters         1           Settling Time         400ns           Output Type         Current - Unbuffered           Differential Output         No           Data Interface         Parallel           Reference Type         External, Internal           Voltage - Supply, Analog         ±11.4 V ~ 16.5 V           Voltage - Supply, Digital         -           INL/DNL (LSB)         ±0.5, ±0.5           Architecture         R-2R           Operating Temperature         0°C ~ 70°C           Package / Case         28-SOIC (0.295", 7.50mm Width)           Supplier Device Package         28-SOIC                                                           | Manufacturer Part Number  | AD565AJRZ                                             |
| Data Acquisition - Digital to Analog Converters (DAC)Package28-SOIC (0.295", 7.50mm Width)Series-Number of Bits12Number of D/A Converters1Settling Time400nsOutput TypeCurrent - UnbufferedDifferential OutputNoData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog±11.4 V ~ 16.5 VVoltage - Supply, Digital-INL/DNL (LSB)±0.5, ±0.5ArchitectureR-2ROperating Temperature0°C ~ 70°CPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                | Manufacturer              | Analog Devices Inc.                                   |
| Package 28-SOIC (0.295", 7.50mm Width)  Series - Number of Bits 12 Number of D/A Converters 1 Settling Time 400ns Output Type Current - Unbuffered Differential Output No Data Interface Parallel Reference Type External, Internal Voltage - Supply, Analog ±11.4 V ~ 16.5 V  Voltage - Supply, Digital - INL/DNL (LSB) ±0.5, ±0.5 Architecture R-2R Operating Temperature 0°C ~ 70°C Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Category                  | Integrated Circuits (ICs)                             |
| Series - Number of Bits 12 Number of D/A Converters 1 Settling Time 400ns Output Type Current - Unbuffered Differential Output No Data Interface Parallel Reference Type External, Internal Voltage - Supply, Analog ±11.4 V ~ 16.5 V Voltage - Supply, Digital - INL/DNL (LSB) ±0.5, ±0.5 Architecture R-2R Operating Temperature 0°C ~ 70°C Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                           | Data Acquisition - Digital to Analog Converters (DAC) |
| Number of Bits  Number of D/A Converters  1  Settling Time  400ns  Output Type  Current - Unbuffered  Differential Output  No  Data Interface  Parallel  Reference Type  External, Internal  Voltage - Supply, Analog  ±11.4 V ~ 16.5 V  Voltage - Supply, Digital  INL/DNL (LSB)  40.5, ±0.5  Architecture  R-2R  Operating Temperature  0°C ~ 70°C  Package / Case  28-SOIC (0.295", 7.50mm Width)  Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Package                   | 28-SOIC (0.295", 7.50mm Width)                        |
| Number of D/A Converters1Settling Time400nsOutput TypeCurrent - UnbufferedDifferential OutputNoData InterfaceParallelReference TypeExternal, InternalVoltage - Supply, Analog±11.4 V ~ 16.5 VVoltage - Supply, Digital-INL/DNL (LSB)±0.5, ±0.5ArchitectureR-2ROperating Temperature0°C ~ 70°CPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Series                    | -                                                     |
| Settling Time 400ns Output Type Current - Unbuffered  Differential Output No Data Interface Parallel Reference Type External, Internal  Voltage - Supply, Analog ±11.4 V ~ 16.5 V  Voltage - Supply, Digital - INL/DNL (LSB) ±0.5, ±0.5  Architecture R-2R  Operating Temperature 0°C ~ 70°C  Package / Case 28-SOIC (0.295", 7.50mm Width)  Supplier Device Package 28-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Number of Bits            | 12                                                    |
| Output Type Current - Unbuffered  Differential Output No  Data Interface Parallel  Reference Type External, Internal  Voltage - Supply, Analog $\pm 11.4 \text{ V} \sim 16.5 \text{ V}$ Voltage - Supply, Digital -  INL/DNL (LSB) $\pm 0.5, \pm 0.5$ Architecture R-2R  Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case 28-SOIC $(0.295^{\circ}, 7.50 \text{mm Width})$ Supplier Device Package 28-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Number of D/A Converters  | 1                                                     |
| Differential Output  Data Interface  Parallel  Reference Type  External, Internal  Voltage - Supply, Analog  ±11.4 V ~ 16.5 V  Voltage - Supply, Digital  - INL/DNL (LSB)  ±0.5, ±0.5  Architecture  R-2R  Operating Temperature  Package / Case  28-SOIC (0.295", 7.50mm Width)  Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Settling Time             | 400ns                                                 |
| Data Interface Parallel  Reference Type External, Internal  Voltage - Supply, Analog ±11.4 V ~ 16.5 V  Voltage - Supply, Digital -  INL/DNL (LSB) ±0.5, ±0.5  Architecture R-2R  Operating Temperature 0°C ~ 70°C  Package / Case 28-SOIC (0.295", 7.50mm Width)  Supplier Device Package 28-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Output Type               | Current - Unbuffered                                  |
| Reference TypeExternal, InternalVoltage - Supply, Analog $\pm 11.4 \text{ V} \sim 16.5 \text{ V}$ Voltage - Supply, Digital-INL/DNL (LSB) $\pm 0.5, \pm 0.5$ ArchitectureR-2ROperating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Differential Output       | No                                                    |
| Voltage - Supply, Analog $\pm 11.4 \text{ V} \sim 16.5 \text{ V}$ Voltage - Supply, Digital -  INL/DNL (LSB) $\pm 0.5, \pm 0.5$ Architecture R-2R  Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $28\text{-SOIC}$ (0.295", 7.50mm Width)  Supplier Device Package $28\text{-SOIC}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Data Interface            | Parallel                                              |
| Voltage - Supply, Digital - INL/DNL (LSB) $\pm 0.5, \pm 0.5$ Architecture R-2R Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case 28-SOIC $(0.295^{\circ}, 7.50 \text{mm Width})$ Supplier Device Package 28-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Reference Type            | External, Internal                                    |
| $ \begin{array}{lll} INL/DNL \ (LSB) & \pm 0.5, \pm 0.5 \\ Architecture & R-2R \\ Operating \ Temperature & 0^{\circ}C \sim 70^{\circ}C \\ Package \ / \ Case & 28-SOIC \ (0.295'', 7.50mm \ Width) \\ Supplier \ Device \ Package & 28-SOIC \\ \end{array} $                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Voltage - Supply, Analog  | ±11.4 V ~ 16.5 V                                      |
| Architecture R-2R  Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case 28-SOIC $(0.295^{\circ}, 7.50 \text{mm Width})$ Supplier Device Package 28-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Voltage - Supply, Digital | -                                                     |
| Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $28\text{-SOIC}$ $(0.295^{\circ}, 7.50\text{mm Width})$ Supplier Device Package $28\text{-SOIC}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | INL/DNL (LSB)             | $\pm 0.5, \pm 0.5$                                    |
| Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Architecture              | R-2R                                                  |
| Supplier Device Package 28-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Operating Temperature     | 0°C ~ 70°C                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Package / Case            | 28-SOIC (0.295", 7.50mm Width)                        |
| Mounting Type -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Supplier Device Package   | 28-SOIC                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Mounting Type             | -                                                     |
| Report errors?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           | Report errors?                                        |

#### **AD565AJRZ 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.

# **AD565AJRZ Payment Methods**





















## **AD565AJRZ Shipping Methods**













If you have any question about AD565AJRZ, please do not hesitate to contact us!

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