



## **AD7840JP Information**



For Reference Only

Part Number AD7840JP

Manufacturer Analog Devices Inc.

Category Integrated Circuits (ICs)

Data Acquisition - Digital to Analog Converters

(DAC)

**Description** IC DAC 14BIT LC2MOS VOUT 28PLCC

Package 28-LCC (J-Lead)

For the pricing/inventory/lead time, please contact

us

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



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# **Certified Quality**

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| Manufacturer Part Number         AD7840JP           Manufacturer         Analog Devices Inc.           Category         Integrated Circuits (ICs)           Package         28-LCC (J-Lead)           Series         -           Number of Bits         14           Number of D/A Converters         1           Settling Time         4μs           Output Type         Voltage - Buffered           Differential Output         No           Data Interface         Parallel, Serial           Reference Type         External, Internal           Voltage - Supply, Analog         ±5V           Voltage - Supply, Digital         -           INL/DNL (LSB)         ±2 (Max), ±0.9 (Max)           Architecture         R-2R           Operating Temperature         0°C ~ 70°C           Package / Case         28-LCC (J-Lead)           Supplier Device Package         28-PLCC (11.51x11.51)           Mounting Type         - |                           |   |
|---|---------------------------|---|
| Category         Integrated Circuits (ICs)           Data Acquisition - Digital to Analog Converters (DAC)           Package         28-LCC (J-Lead)           Series         -           Number of Bits         14           Number of D/A Converters         1           Settling Time         4μs           Output Type         Voltage - Buffered           Differential Output         No           Data Interface         Parallel, Serial           Reference Type         External, Internal           Voltage - Supply, Analog         ±5V           Voltage - Supply, Digital         -           INL/DNL (LSB)         ±2 (Max), ±0.9 (Max)           Architecture         R-2R           Operating Temperature         0°C ~ 70°C           Package / Case         28-LCC (J-Lead)           Supplier Device Package         28-PLCC (11.51x11.51)           Mounting Type         -  | Manufacturer Part Number  | AD7840JP  |
| Package28-LCC (J-Lead)Series-Number of Bits14Number of D/A Converters1Settling Time4μsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceParallel, SerialReference TypeExternal, InternalVoltage - Supply, Analog±5VVoltage - Supply, Digital-INL/DNL (LSB)±2 (Max), ±0.9 (Max)ArchitectureR-2ROperating Temperature0°C ~ 70°CPackage / Case28-LCC (J-Lead)Supplier Device Package28-PLCC (11.51x11.51)Mounting Type-  | Manufacturer              | Analog Devices Inc.                                   |
| Package         28-LCC (J-Lead)           Series         -           Number of Bits         14           Number of D/A Converters         1           Settling Time         4µs           Output Type         Voltage - Buffered           Differential Output         No           Data Interface         Parallel, Serial           Reference Type         External, Internal           Voltage - Supply, Analog         ±5V           Voltage - Supply, Digital         -           INL/DNL (LSB)         ±2 (Max), ±0.9 (Max)           Architecture         R-2R           Operating Temperature         0°C ~ 70°C           Package / Case         28-LCC (J-Lead)           Supplier Device Package         28-PLCC (11.51x11.51)           Mounting Type         -   | Category                  | Integrated Circuits (ICs)                             |
| Series-Number of Bits14Number of D/A Converters1Settling Time4μsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceParallel, SerialReference TypeExternal, InternalVoltage - Supply, Analog±5 VVoltage - Supply, Digital-INL/DNL (LSB)±2 (Max), ±0.9 (Max)ArchitectureR-2ROperating Temperature0°C ~ 70°CPackage / Case28-LCC (J-Lead)Supplier Device Package28-PLCC (11.51x11.51)Mounting Type-   |                           | Data Acquisition - Digital to Analog Converters (DAC) |
| Number of Bits14Number of D/A Converters1Settling Time4μsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceParallel, SerialReference TypeExternal, InternalVoltage - Supply, Analog±5VVoltage - Supply, Digital-INL/DNL (LSB)±2 (Max), ±0.9 (Max)ArchitectureR-2ROperating Temperature0°C ~ 70°CPackage / Case28-LCC (J-Lead)Supplier Device Package28-PLCC (11.51x11.51)Mounting Type-   | Package                   | 28-LCC (J-Lead)                                       |
| Number of D/A Converters1Settling Time4μsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceParallel, SerialReference TypeExternal, InternalVoltage - Supply, Analog±5VVoltage - Supply, Digital-INL/DNL (LSB)±2 (Max), ±0.9 (Max)ArchitectureR-2ROperating Temperature0°C ~ 70°CPackage / Case28-LCC (J-Lead)Supplier Device Package28-PLCC (11.51x11.51)Mounting Type-   | Series                    | -   |
| Settling Time4μsOutput TypeVoltage - BufferedDifferential OutputNoData InterfaceParallel, SerialReference TypeExternal, InternalVoltage - Supply, Analog±5 VVoltage - Supply, Digital-INL/DNL (LSB)±2 (Max), ±0.9 (Max)ArchitectureR-2ROperating Temperature0°C ~ 70°CPackage / Case28-LCC (J-Lead)Supplier Device Package28-PLCC (11.51x11.51)Mounting Type-   | Number of Bits            | 14  |
| Output Type  Differential Output  No  Data Interface  Parallel, Serial  Reference Type  External, Internal  Voltage - Supply, Analog  ±5V  Voltage - Supply, Digital  INL/DNL (LSB)  42 (Max), ±0.9 (Max)  Architecture  R-2R  Operating Temperature  0°C ~ 70°C  Package / Case  28-LCC (J-Lead)  Supplier Device Package  28-PLCC (11.51x11.51)  Mounting Type  -   | Number of D/A Converters  | 1   |
| Differential Output  Data Interface  Parallel, Serial  Reference Type  External, Internal  Voltage - Supply, Analog  ±5V  Voltage - Supply, Digital  - INL/DNL (LSB)  42 (Max), ±0.9 (Max)  Architecture  R-2R  Operating Temperature  0°C ~ 70°C  Package / Case  28-LCC (J-Lead)  Supplier Device Package  28-PLCC (11.51x11.51)  Mounting Type  -  | Settling Time             | 4μs   |
| Data Interface Parallel, Serial  Reference Type External, Internal  Voltage - Supply, Analog ±5V  Voltage - Supply, Digital -  INL/DNL (LSB) ±2 (Max), ±0.9 (Max)  Architecture R-2R  Operating Temperature 0°C ~ 70°C  Package / Case 28-LCC (J-Lead)  Supplier Device Package 28-PLCC (11.51x11.51)  Mounting Type -  | Output Type               | Voltage - Buffered                                    |
| Reference Type External, Internal  Voltage - Supply, Analog ±5V  Voltage - Supply, Digital -  INL/DNL (LSB) ±2 (Max), ±0.9 (Max)  Architecture R-2R  Operating Temperature 0°C ~ 70°C  Package / Case 28-LCC (J-Lead)  Supplier Device Package 28-PLCC (11.51x11.51)  Mounting Type -   | Differential Output       | No  |
| Voltage - Supply, Analog $\pm 5$ VVoltage - Supply, Digital-INL/DNL (LSB) $\pm 2$ (Max), $\pm 0.9$ (Max)ArchitectureR-2ROperating Temperature $0^{\circ}$ C ~ $70^{\circ}$ CPackage / Case $28$ -LCC (J-Lead)Supplier Device Package $28$ -PLCC (11.51x11.51)Mounting Type-   | Data Interface            | Parallel, Serial                                      |
| Voltage - Supply, Digital- $INL/DNL$ (LSB) $\pm 2$ (Max), $\pm 0.9$ (Max)Architecture $R-2R$ Operating Temperature $0^{\circ}C \sim 70^{\circ}C$ Package / Case $28-LCC$ (J-Lead)Supplier Device Package $28-PLCC$ (11.51x11.51)Mounting Type-  | Reference Type            | External, Internal                                    |
| INL/DNL (LSB) $\pm 2$ (Max), $\pm 0.9$ (Max)ArchitectureR-2ROperating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $28\text{-LCC}$ (J-Lead)Supplier Device Package $28\text{-PLCC}$ (11.51x11.51)Mounting Type-   | Voltage - Supply, Analog  | ±5V   |
| Architecture R-2R  Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Package / Case $28\text{-LCC (J-Lead)}$ Supplier Device Package $28\text{-PLCC (11.51x11.51)}$ Mounting Type -   | Voltage - Supply, Digital | -   |
| Operating Temperature0°C ~ 70°CPackage / Case28-LCC (J-Lead)Supplier Device Package28-PLCC (11.51x11.51)Mounting Type-  | INL/DNL (LSB)             | $\pm 2 \text{ (Max)}, \pm 0.9 \text{ (Max)}$          |
| Package / Case 28-LCC (J-Lead) Supplier Device Package 28-PLCC (11.51x11.51) Mounting Type -  | Architecture              | R-2R  |
| Supplier Device Package 28-PLCC (11.51x11.51)  Mounting Type -  | Operating Temperature     | 0°C ~ 70°C  |
| Mounting Type -   | Package / Case            | 28-LCC (J-Lead)                                       |
|   | Supplier Device Package   | 28-PLCC (11.51x11.51)                                 |
| Report errors?  | Mounting Type             | -   |
|   |                           | Report errors?  |

### **AD7840JP 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.



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## **AD7840JP Shipping Methods**













If you have any question about AD7840JP, please do not hesitate to contact us!

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