

AD7870AQ





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Part Number: [AD7870AQ](#)

Manufacturer: [ADI \(Analog Devices, Inc.\)](#)

Description: IC ADC 12BIT SAMPLING 3V 24-CDIP

Data sheet:  [AD7870](#), [AD7875](#), [AD7876](#)

RoHs Status: Contains lead / RoHS non-compliant

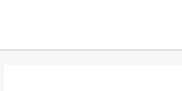
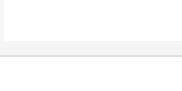
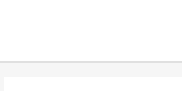
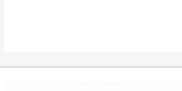
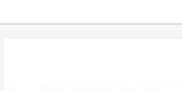
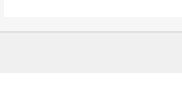
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |                                |                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                | AD7870AQ                                                 | Manufacturer                   | <a href="#">ADI (Analog Devices, Inc.)</a>                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                | IC ADC 12BIT SAMPLING 3V 24-CDIP                         | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                         | 4356 pcs                                                 | Data sheet                     | <a href="#">AD7870</a> , <a href="#">AD7875</a> , <a href="#">AD7876</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a>                | Voltage - Supply, Digital      | ±5V                                                                      |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                   | ±5V                                                      | Supplier Device Package        | 24-CDIP                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                                        | Sampling Rate (Per Second)     | 100k                                                                     |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                             | Internal                                                 | Ratio - S/H:ADC                | 1:1                                                                      |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                  | Tube                                                     | Package / Case                 | 24-CDIP (0.300", 7.62mm)                                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                      | -40°C ~ 85°C                                             | Number of Inputs               | 1                                                                        |
| Number of Bits                                                                                                                                                                                                                                                                                                                                                                                                             | 12                                                       | Number of A/D Converters       | 1                                                                        |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                           | 1 (Unlimited)                                            | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                       |
| Input Type                                                                                                                                                                                                                                                                                                                                                                                                                 | Single Ended                                             | Features                       | -                                                                        |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                       | 12 Bit Analog to Digital Converter 1 Input 1 SAR 24-CDIP | Data Interface                 | SPI, Parallel                                                            |
| Configuration                                                                                                                                                                                                                                                                                                                                                                                                              | S/H-ADC                                                  | Base Part Number               | AD7870                                                                   |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                               | SAR                                                      |                                |                                                                          |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                           |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|
|  | Part#: <a href="#">AD7868BRZ</a><br>Description: IC I/O PORT 12BIT ANLG 28SOIC         | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7870JNZ</a><br>Description: IC ADC 12BIT LC2MOS 100KHZ 24DIP      | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7870KP-REEL</a><br>Description: IC ADC 12BIT SAMPLING 3V 28PLCC   | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7868BNZ</a><br>Description: IC I/O PORT 12BIT ANLG 24-DIP         | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7870CQ</a><br>Description: IC ADC 12BIT SAMPLING 3V 24-CDIP       | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7868ARZ-REEL</a><br>Description: IC I/O PORT 12BIT ANLG 28-SOIC   | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7870KN</a><br>Description: IC ADC 12BIT SAMPLING 3V 24-DIP        | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7870AJNZ</a><br>Description: IC ADC 12BIT SAMPLING 3V 24-DIP      | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7869JNZ</a><br>Description: IC I/O PORT 14BIT ANLG 24DIP          | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7870JP</a><br>Description: IC ADC 12BIT SAMPLING 3V 28-PLCC       | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7870KNZ</a><br>Description: IC ADC 12BIT SAMPLING 3V 24-DIP       | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7870JPZ-REEL</a><br>Description: IC ADC 12BIT SAMPL LC2MOS 28PLCC | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7868AR-REEL</a><br>Description: IC I/O PORT 12BIT ANLG 28-SOIC    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7869JRZ</a><br>Description: IC I/O PORT 14BIT ANLG 28SOIC         | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7868BRZ-REEL</a><br>Description: IC I/O PORT 12BIT ANLG 28SOIC    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7868BR-REEL</a><br>Description: IC I/O PORT 12BIT ANLG 28-SOIC    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7870BQ</a><br>Description: IC ADC 12BIT SAMPLING 3V 24-CDIP       | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7870JPZ</a><br>Description: IC ADC 12BIT LC2MOS 28PLCC            | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7868ARZ</a><br>Description: IC I/O PORT 12BIT ANLG 28-SOIC        | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AD7870JN</a><br>Description: IC ADC 12BIT LC2MOS 100KHZ 24DIP       | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |

| Related keywords for AD7870AQ       |                      |                                     |                              |
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