

ADS1278SHFQ



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Part Number: [ADS1278SHFQ](#)

Manufacturer: [N/A](#)

Description: [IC ADC 24BIT SPI 144KSPS 84CFP](#)

Data sheet:

RoHs Status: [Contains lead / RoHS non-compliant](#)

Ship From: [Hong Kong](#)

Shipment Way: [DHL/Fedex/TNT/UPS/EMS](#)

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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |                                  |                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-----------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                           | ADS1278SHFQ                               | Manufacturer                     | N/A                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                           | IC ADC 24BIT SPI 144KSPS 84CFP            | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                    | 405 pcs                                   | Data sheet                       |                                                                 |
| Category                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Digital        | 1.65 V ~ 1.95 V                                                 |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                              | 5V                                        | Supplier Device Package          | 84-CFP                                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                | -                                         | Sampling Rate (Per Second)       | 144k                                                            |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                        | External                                  | Ratio - S/H:ADC                  | -                                                               |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                             | Tube                                      | Package / Case                   | 84-CBFQFP Exposed Pad and Tie Bar                               |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                           | 296-28275-5<br>ADS1278SHFQ-ND             | Operating Temperature            | -55°C ~ 210°C                                                   |
| Number of Inputs                                                                                                                                                                                                                                                                                                                                                                                                      | 8                                         | Number of Bits                   | 24                                                              |
| Number of A/D Converters                                                                                                                                                                                                                                                                                                                                                                                              | 1                                         | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                        | Contains lead / RoHS non-compliant        | Input Type                       | Differential                                                    |
| Features                                                                                                                                                                                                                                                                                                                                                                                                              | -                                         | Detailed Description             | 24 Bit Analog to Digital Converter 8 Input 1 Sigma-Delta 84-CFP |
| Data Interface                                                                                                                                                                                                                                                                                                                                                                                                        | SPI                                       | Configuration                    | ADC                                                             |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                      | ADS1278                                   | Architecture                     | Sigma-Delta                                                     |
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| RELATED PRODUCTS                                                                   |                                                                                                        |                                    |                |
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|  | Part#: <a href="#">ADS1281IPWR</a><br>Description: <a href="#">IC ADC 24BIT HI-RES 24-TSSOP</a>        | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS1281IPW</a><br>Description: <a href="#">IC ADC 24BIT HI-RES SER 24-TSSOP</a>     | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS1278IPAPTG4</a><br>Description: <a href="#">IC ADC 24BIT 10K-144K 64TQFP</a>     | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS127L01EVM</a><br>Description: <a href="#">EVAL BOARD FOR ADS127L01</a>           | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS1278MPAPTEP</a><br>Description: <a href="#">IC ADC 24BIT SRL 128KSPS 64HTQFP</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS1281IPWG4</a><br>Description: <a href="#">IC ADC 24BIT HI-RES SER 24-TSSOP</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS1278IPAPR</a><br>Description: <a href="#">IC ADC 24BIT 10K-144K 64TQFP</a>       | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ADS1274IPAPT</a><br>Description: <a href="#">IC ADC 24BIT QUAD 64-HTQFP</a>         | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS1278EVM</a><br>Description: <a href="#">ADS1278EVM</a>                           | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS1278EVM-PDK</a><br>Description: <a href="#">KIT EVAL/DEMO FOR ADS1278</a>        | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS1281EVM</a><br>Description: <a href="#">EVALUATION MODULE FOR ADS1281</a>        | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS1281EVM-PDK</a><br>Description: <a href="#">KIT PERFORMANCE DEV FOR ADS1281</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS1278SHKP</a><br>Description: <a href="#">IC ADC 24BIT SPI 144KSPS 84CFP</a>      | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS1278HPAP</a><br>Description: <a href="#">IC DELT-SIG ADC 24BIT 64-HTQFP</a>      | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS127L01IPBSR</a><br>Description: <a href="#">IC ADC 24BIT 512KSPS SPI 32TQFP</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS1278SKGDA</a><br>Description: <a href="#">IC ADC 24BIT SPI 144KSPS DIE</a>       | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS1274IPAPTG4</a><br>Description: <a href="#">IC ADC 24BIT 10K-144K 64TQFP</a>     | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS1278IPAPT</a><br>Description: <a href="#">IC DELT-SIG ADC 24BIT 64-HTQFP</a>     | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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