

ADS6142IRHBTG4



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Part Number: [ADS6142IRHBTG4](#)

Manufacturer: [N/A](#)

Description: [IC ADC 14BIT SER/PAR 65M 32VQFN](#)

Data sheet:

RoHs Status: [Lead free / RoHS Compliant](#)

Ship From: [Hong Kong](#)

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                      |                                |                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                               | ADS6142IRHBTG4                                                       | Manufacturer                   | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                               | IC ADC 14BIT SER/PAR 65M 32VQFN                                      | Lead Free Status / RoHS Status | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                        | 3728 pcs                                                             | Data sheet                     |                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                            | Voltage - Supply, Digital      | 1.65 V ~ 3.6 V             |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                  | 3 V ~ 3.6 V                                                          | Supplier Device Package        | 32-VQFN (5x5)              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                                                    | Sampling Rate (Per Second)     | 65M                        |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                            | External, Internal                                                   | Ratio - S/H:ADC                | 1:1                        |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                 | Tape & Reel (TR)                                                     | Package / Case                 | 32-VFQFN Exposed Pad       |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                     | -40°C ~ 85°C                                                         | Number of Inputs               | 1                          |
| Number of Bits                                                                                                                                                                                                                                                                                                                                                                                                            | 14                                                                   | Number of A/D Converters       | 1                          |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                          | 3 (168 Hours)                                                        | Lead Free Status / RoHS Status | Lead free / RoHS Compliant |
| Input Type                                                                                                                                                                                                                                                                                                                                                                                                                | Differential                                                         | Features                       | -                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                      | 14 Bit Analog to Digital Converter 1 Input 1 Pipelined 32-VQFN (5x5) | Data Interface                 | LVDS - Parallel, Parallel  |
| Configuration                                                                                                                                                                                                                                                                                                                                                                                                             | S/H-ADC                                                              | Base Part Number               | ADS6142                    |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                              | Pipelined                                                            |                                |                            |
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|  | Part#: <a href="#">ADS6142IRHB25</a><br>Description: <a href="#">IC ADC 14BIT PAR 65MSPS 32QFN</a>   | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6129IRGZT</a><br>Description: <a href="#">IC ADC 12BIT 250MSPS 48-QFN</a>      | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6142EVM</a><br>Description: <a href="#">EVAL MODULE FOR ADS6142</a>            | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6142SKGD1</a><br>Description: <a href="#">IC ADC 14B SRL/PAR 65MSPS 0XCEPT</a> | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6143EVM</a><br>Description: <a href="#">ADS6143EVM</a>                         | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6129EVM</a><br>Description: <a href="#">EVAL MODULE FOR ADS6129</a>            | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6143IRHB25</a><br>Description: <a href="#">IC ADC 14BIT PAR 80MSPS 32QFN</a>   | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6144IRHB25</a><br>Description: <a href="#">IC ADC 14BIT PAR 105MSPS 32QFN</a>  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6128IRGZR</a><br>Description: <a href="#">IC ADC LP 12-BIT 210MSPS 48-QFN</a>  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6143IRHBT</a><br>Description: <a href="#">IC ADC 14BIT 80MSPS 32-VQFN</a>      | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6129IRGZ25</a><br>Description: <a href="#">IC ADC 12BIT 250MSPS LP 48VQFN</a>  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6145EVM</a><br>Description: <a href="#">EVAL MOUDLE FOR ADS6145</a>            | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6142IRHBR</a><br>Description: <a href="#">IC ADC 14BIT SER/PAR 65M 32VQFN</a>  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6129IRGZR</a><br>Description: <a href="#">IC ADC LP 12-BIT 250MSPS 48-QFN</a>  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6128IRGZT</a><br>Description: <a href="#">IC ADC 12BIT 210MSPS 48-QFN</a>      | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6144EVM</a><br>Description: <a href="#">ADS6144EVM</a>                         | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6143IRHBR</a><br>Description: <a href="#">IC ADC 14BIT SER/PAR 80M 32VQFN</a>  | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6142IRHBT</a><br>Description: <a href="#">IC ADC 14BIT 65MSPS 32-VQFN</a>      | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6144IRHBR</a><br>Description: <a href="#">IC ADC 14BIT SER/PAR 105M 32VQFN</a> | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADS6144IRHBT</a><br>Description: <a href="#">IC ADC 14BIT 105MSPS 32-VQFN</a>     | Manufacturers: <a href="#">N/A</a> | <a href="#">RFQ</a> |

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