

ADS42B49IRGCT



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Part Number: [ADS42B49IRGCT](#)

Manufacturer: [N/A](#)

Description: [IC ADC 14BIT PAR 250MSPS 64VQFN](#)

Data sheet:

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

Ship From: [Hong Kong](#)

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

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                      |                                  |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                             | ADS42B49IRGCT                                                        | Manufacturer                     | N/A                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                             | IC ADC 14BIT PAR 250MSPS 64VQFN                                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                      | 957 pcs                                                              | Data sheet                       |                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>                            | Voltage - Supply, Digital        | 1.7 V ~ 2 V                |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                | 1.8 V ~ 2 V                                                          | Supplier Device Package          | 64-VQFN (9x9)              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                                                    | Sampling Rate (Per Second)       | 250M                       |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                                             | Ratio - S/H:ADC                  | 1:1                        |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                               | Tape & Reel (TR)                                                     | Package / Case                   | 64-VFQFN Exposed Pad       |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                             | 296-38471-2<br>ADS42B49IRGCT-ND                                      | Operating Temperature            | -40°C ~ 85°C               |
| Number of Inputs                                                                                                                                                                                                                                                                                                                                                                                                        | 2                                                                    | Number of Bits                   | 14                         |
| Number of A/D Converters                                                                                                                                                                                                                                                                                                                                                                                                | 2                                                                    | Moisture Sensitivity Level (MSL) | 3 (168 Hours)              |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                         | 6 Weeks                                                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant |
| Input Type                                                                                                                                                                                                                                                                                                                                                                                                              | Differential                                                         | Features                         | Simultaneous Sampling      |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                    | 14 Bit Analog to Digital Converter 2 Input 2 Pipelined 64-VQFN (9x9) | Data Interface                   | LVDS - Parallel, Parallel  |
| Configuration                                                                                                                                                                                                                                                                                                                                                                                                           | S/H-ADC                                                              | Base Part Number                 | ADS42B49                   |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                            | Pipelined                                                            |                                  |                            |
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| RELATED PRODUCTS                                                                   |                                                                                                         |                                    |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------|----------------|
|  | Part#: <a href="#">ADS42JB49IRGCT</a><br>Description: <a href="#">IC ADC 14BIT 250MSPS 64 VQFN</a>      | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS42JB49EVM</a><br>Description: <a href="#">MODULE EVAL FOR ADS42JB49</a>           | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS4249EVM</a><br>Description: <a href="#">EVAL MODULE FOR ADS4249</a>               | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS42JB69EVM</a><br>Description: <a href="#">MODULE EVAL FOR ADS42JB69</a>           | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS42JB49IRGCR</a><br>Description: <a href="#">ANALOG TO DIGITAL CONVERTERS - A</a>  | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS42B49EVM</a><br>Description: <a href="#">MODULE EVAL FOR ADS42B49</a>             | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS4249IRGCT</a><br>Description: <a href="#">IC ADC 14BIT DL 250MSPS 64VQFN</a>      | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS42JB49SEK</a><br>Description: <a href="#">KIT SYSTEM EVAL FOR ADS42JB49</a>       | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS42JB49IRGC25</a><br>Description: <a href="#">ANALOG TO DIGITAL CONVERTERS - A</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS4246IRGCT</a><br>Description: <a href="#">IC ADC 14BIT DUAL 160MSPS 64VQFN</a>    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS42JB46EVM</a><br>Description: <a href="#">EVAL MODULE FOR ADS42JB46</a>           | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS42JB46IRGCT</a><br>Description: <a href="#">IC ADC 14BIT 160MSPS 64VQFN</a>       | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS42B49IRGC25</a><br>Description: <a href="#">IC ADC 14BIT PAR 250MSPS 64VQFN</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS42B49IRGCR</a><br>Description: <a href="#">IC ADC 14BIT PAR 250MSPS 64VQFN</a>    | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS4246IRGC25</a><br>Description: <a href="#">IC ADC 14BIT DUAL 160MSPS 64VQFN</a>   | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADS42JB46IRGC25</a><br>Description: <a href="#">ANALOG TO DIGITAL CONVERTERS - A</a> | Manufacturers: <a href="#">N/A</a> | <div>RFQ</div> |
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