

ADS7953SDBTG4



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Part Number: [ADS7953SDBTG4](#)

Manufacturer: [N/A](#)

Description: [IC ADC 12-BIT 1MSPS 16CH 38TSSOP](#)

Data sheet:

RoHs Status: [Lead free / RoHS non-compliant](#)

Ship From: [Hong Kong](#)

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                 |                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                               | ADS7953SDBTG4                             | Manufacturer                    | N/A                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                               | IC ADC 12-BIT 1MSPS 16CH 38TSSOP          | Lead Free Status / RoHS Status  | Lead free / RoHS non-compliant                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                        | 11341 pcs                                 | Data sheet                      |                                                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Digital       | 1.7 V ~ 5.25 V                                             |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                  | 2.7 V ~ 5.25 V                            | Supplier Device Package         | 38-TSSOP                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                    | microPOWER™                               | Sampling Rate (Per Second)      | 1M                                                         |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                            | External                                  | Ratio - S/H:ADC                 | 1:1                                                        |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                 | Tube                                      | Package / Case                  | 38-TFSOP (0.173", 4.40mm Width)                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                     | -40°C ~ 125°C                             | Number of Inputs                | 16                                                         |
| Number of Bits                                                                                                                                                                                                                                                                                                                                                                                                            | 12                                        | Number of A/D Converters        | 1                                                          |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                          | 2 (1 Year)                                | Manufacturer Standard Lead Time | 6 Weeks                                                    |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                            | Lead free / RoHS non-compliant            | Input Type                      | Single Ended                                               |
| Features                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                         | Detailed Description            | 12 Bit Analog to Digital Converter 16 Input 1 SAR 38-TSSOP |
| Data Interface                                                                                                                                                                                                                                                                                                                                                                                                            | SPI                                       | Configuration                   | MUX-S/H-ADC                                                |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                          | ADS7953                                   | Architecture                    | SAR                                                        |
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