

ADC1453D250NGG-C1



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**Part Number:** [ADC1453D250NGG-C1](#)

**Manufacturer:** [IDT \(Integrated Device Technology\)](#)

**Description:** IC ADC 14BIT 2CH 250MSPS 56QFN

**Data sheet:**  [IDTADC1453D Series](#)

**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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ADC1453D250NGG-C1                               | Manufacturer                     | <a href="#">IDT (Integrated Device Technology)</a>                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC ADC 14BIT 2CH 250MSPS 56QFN                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2306 pcs                                        | Data sheet                       | <a href="#">IDTADC1453D Series</a>                                     |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a>       | Voltage - Supply, Digital        | 1.7 V ~ 1.9 V                                                          |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1.7 V ~ 1.9 V                                   | Supplier Device Package          | 56-VFQFPN (8x8)                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                               | Sampling Rate (Per Second)       | 246M                                                                   |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | External                                        | Ratio - S/H:ADC                  | 1:1                                                                    |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Tray                                            | Package / Case                   | 56-LFQFN Exposed Pad                                                   |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IDTADC1453D250NGG-C1<br>IDTADC1453D250NGG-C1-ND | Operating Temperature            | -40°C ~ 85°C                                                           |
| Number of Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2                                               | 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, Single Ended                                             |
| Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Simultaneous Sampling                           | Detailed Description             | 14 Bit Analog to Digital Converter 2 Input 1 Pipelined 56-VFQFPN (8x8) |
| Data Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | JESD204A                                        | Configuration                    | S/H-ADC                                                                |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Pipelined                                       |                                  |                                                                        |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all IDT (Integrated Device Technology) series electronic components. We have 2306 pieces of IDT (Integrated Device Technology) ADC1453D250NGG-C1 in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                 |                                  |                                                                        |

| RELATED PRODUCTS                                                                   |                                                                                          |                                                                   |                     |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------------|
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|  | Part#: <a href="#">ADC1443D200W4-DB</a><br>Description: BOARD DEMO FOR ADC1443D200W4     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC14C105CISQ/NOPB</a><br>Description: ADC 14BIT 95/105MSPS 32WQFN    | Manufacturers: <a href="#">N/A</a>                                | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">ADC1443D160W1-DB</a><br>Description: BOARD DEMO FOR ADC1443D160W1     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1453D250NGG-C18</a><br>Description: IC ADC 14BIT 2CH 250MSPS 56QFN | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1443D250HD-C1</a><br>Description: IC ADC 14BIT 2CH 250MSPS 56HLQFN | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1453D160WO-DB</a><br>Description: BOARD DEMO FOR ADC1453D160WO     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1443D125W1-DB</a><br>Description: BOARD DEMO FOR ADC1443D125W1     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC14C080EB/NOPB</a><br>Description: BOARD EVAL ADC14C080             | Manufacturers: <a href="#">N/A</a>                                | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC14C105CISQ</a><br>Description: ADC 14BIT 95/105MSPS 32WQFN         | Manufacturers: <a href="#">N/A</a>                                | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1443D200W1-DB</a><br>Description: BOARD DEMO FOR ADC1443D200W1     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1453D250WO-DB</a><br>Description: BOARD DEMO FOR ADC1453D250W0     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC14C105CISQE</a><br>Description: IC ADC 14BIT 105MSPS 32WQFN        | Manufacturers: <a href="#">N/A</a>                                | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC14C080CISQE/NOPB</a><br>Description: IC ADC 14BIT 80MSPS 32WQFN    | Manufacturers: <a href="#">N/A</a>                                | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1443D160W4-DB</a><br>Description: BOARD DEMO FOR ADC1443D160W4     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ADC1453D160W1-DB</a><br>Description: BOARD DEMO FOR ADC1454D160W1     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <a href="#">RFQ</a> |

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| IDT, Integrated Device Technology Inc  | Integrated Device Technology (IDT)   |                             |                                    |
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