

ADC1413D105HN-C1



Part Number: [ADC1413D105HN-C1](#)

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

Description: ADC 14BIT DUAL 105MSPS 56VQFPF

Data sheet:  [ADC1413D](#)

RoHs Status: Lead free / RoHS Compliant

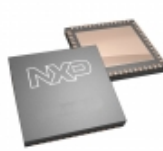
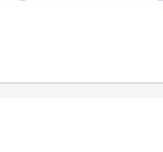
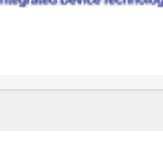
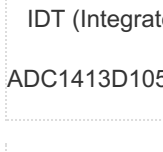
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                               |                                  |                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------|-----------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ADC1413D105HN-C1                              | Manufacturer                     | <a href="#">IDT (Integrated Device Technology)</a>                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ADC 14BIT DUAL 105MSPS 56VQFPF                | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5220 pcs                                      | Data sheet                       | <a href="#">ADC1413D</a>                                              |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a>     | Voltage - Supply, Digital        | 1.65 V ~ 1.95 V                                                       |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.85 V ~ 3.4 V                                | Supplier Device Package          | 56-VQFPN (8x8)                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                             | Sampling Rate (Per Second)       | 105M                                                                  |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | External, Internal                            | Ratio - S/H:ADC                  | 1:1                                                                   |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Tray                                          | Package / Case                   | 56-VQFN Exposed Pad                                                   |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IDTADC1413D105HN-C1<br>IDTADC1413D105HN-C1-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)                                                         |
| 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 2 Pipelined 56-VQFPN (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 5220 pieces of IDT (Integrated Device Technology) ADC1413D105HN-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="#">ADC1413D065WO-DB</a><br>Description: BOARD DEMO FOR ADC1413D065WO     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ADC1413D080HN/C1,5</a><br>Description: ADC 14BIT DUAL 80MSPS 56HVQFN  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1413D105WO-DB</a><br>Description: BOARD DEMO FOR ADC1413D105W0     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1413D105HN-C18</a><br>Description: ADC 14BIT DUAL 105MSPS 56VQFPF  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1413D080HN-C18</a><br>Description: ADC 14BIT DUAL 80MSPS 56VQFPF   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1413D080WO-DB</a><br>Description: BOARD DEMO FOR ADC1413D080W0     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1413D105HN/C1,5</a><br>Description: ADC 14BIT DUAL 105MSPS 56HVQFN | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1413D125HN/C1,5</a><br>Description: ADC 14BIT DUAL 125MSPS 56HVQFN | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1413D080W2-DB</a><br>Description: BOARD DEMO FOR ADC1413D080W2     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1413D125HN-C18</a><br>Description: ADC 14BIT DUAL 125MSPS 56VQFPF  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1413D125HN-C1</a><br>Description: ADC 14BIT DUAL 125MSPS 56VQFPF   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1413D065W1-DB</a><br>Description: BOARD DEMO FOR ADC1413D065W1     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1413D105HN/C1,5</a><br>Description: ADC 14BIT DUAL 105MSPS 56HVQFN | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1413D065HN/C1,5</a><br>Description: ADC 14BIT DUAL 65MSPS 56HVQFN  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1413D080HN/C1,5</a><br>Description: ADC 14BIT DUAL 80MSPS 56HVQFN  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1413D080W1-DB</a><br>Description: BOARD DEMO FOR ADC1413D080W1     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1413D080HN-C1</a><br>Description: ADC 14BIT DUAL 80MSPS 56VQFPF    | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1413D125W1-DB</a><br>Description: BOARD DEMO FOR ADC1413D125W1     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |

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| IDT, Integrated Device Technology Inc | Integrated Device Technology (IDT)  |                            |                                    |
| ADC1413D105HN-C1                      | ADC1413D105HN-C1                    |                            |                                    |