

ADC1415S105HN/C1,5



Part Number: [ADC1415S105HN/C1,5](#)

Manufacturer [NXP Semiconductors / Freescale](#)

Description ADC 14BIT SGL 105MSPS 40HVQFN

Data sheet:  [ADC1415S Series](#)

RoHs Status: Lead free / RoHS Compliant

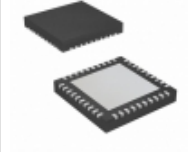
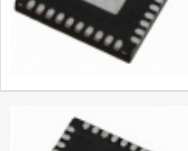
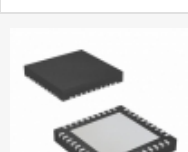
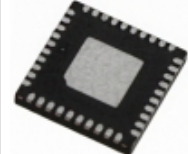
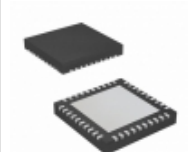
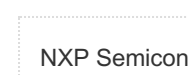
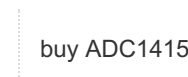
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                   |                                  |                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------|-----------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ADC1415S105HN/C1,5                                | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ADC 14BIT SGL 105MSPS 40HVQFN                     | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5469 pcs                                          | Data sheet                       | <a href="#">ADC1415S Series</a>                                       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>         | Voltage - Supply, Digital        | 2.85 V ~ 3.4 V, 5V                                                    |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2.85 V ~ 3.4 V, 5V                                | Supplier Device Package          | 40-HVQFN (6x6)                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                 | Sampling Rate (Per Second)       | 105M                                                                  |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | External, Internal                                | Ratio - S/H:ADC                  | 1:1                                                                   |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Tray                                              | Package / Case                   | 40-VFQFN Exposed Pad                                                  |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 568-6609<br>935289031551<br>ADC1415S105HN/C1,5-ND | 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, Single Ended                                            |
| Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                                 | Detailed Description             | 14 Bit Analog to Digital Converter 1 Input 1 Pipelined 40-HVQFN (6x6) |
| Data Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LVDS - Parallel, Parallel                         | Configuration                    | S/H-ADC                                                               |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ADC1415S                                          | Architecture                     | Pipelined                                                             |
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|  | Part#: <a href="#">ADC1415S125F1-DB</a><br>Description: BOARD DEMO FOR ADC1415S125F1      | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1415S125HN/C1,5</a><br>Description: ADC 14BIT SGL 125MSPS 40HVQFN   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ADC1415S125F1/DB</a><br>Description: BOARD DEMO FOR ADC1415S125        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1415S125F2/DB</a><br>Description: BOARD DEMO FOR ADC1415S125        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1415S125HN-C1</a><br>Description: IC ADC 14BIT SGL 125MSPS 40HVQFN  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1415S105HN-C1</a><br>Description: IC ADC 14BIT SGL 105MSPS 40HVQFN  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1415S125HN/C1,5</a><br>Description: ADC 14BIT SGL 125MSPS 40HVQFN   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1415S105HN/C1,5</a><br>Description: ADC 14BIT SGL 105MSPS 40HVQFN   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1415S125HN-C18</a><br>Description: IC ADC 14BIT SGL 125MSPS 40HVQFN | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1415S080HN-C1</a><br>Description: IC ADC 14BIT SGL 80MSPS 40HVQFN   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1415S125/DB,598</a><br>Description: BOARD DEMO FOR ADC1415S125      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1415S105HN-C18</a><br>Description: IC ADC 14BIT SGL 105MSPS 40HVQFN | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1415S080HN-C18</a><br>Description: IC ADC 14BIT SGL 80MSPS 40HVQFN  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1415S080HN/C1,5</a><br>Description: ADC 14BIT SGL 80MSPS 40HVQFN    | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1415S080HN/C1,5</a><br>Description: ADC 14BIT SGL 80MSPS 40HVQFN    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>     | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1415S105F2-DB</a><br>Description: BOARD DEMO FOR ADC1415S105F2      | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1415S080F1-DB</a><br>Description: BOARD DEMO FOR ADC1415S080F1      | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ADC1415S105F1-DB</a><br>Description: BOARD DEMO FOR ADC1415S105F1      | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |

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