



ADC1213S080HN-C18






Part Number: [ADC1213S080HN-C18](#)

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

Description: IC ADC 12BIT 1CH 80MSPS 32HVQFN

Data sheet:  [ADC1213S Series](#)

RoHs Status: Lead free / RoHS Compliant

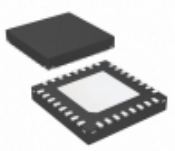
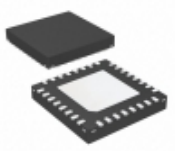
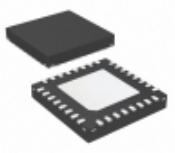


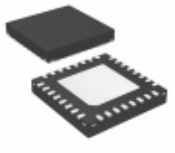


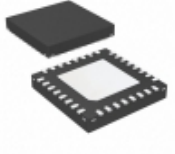





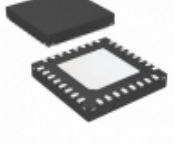

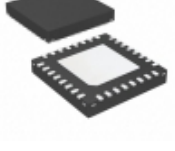

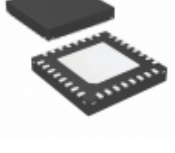

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| PRODUCT PARAMETER | | | |
|--|---|----------------------------------|---|
| Part Number | ADC1213S080HN-C18 | Manufacturer | IDT (Integrated Device Technology) |
| Description | IC ADC 12BIT 1CH 80MSPS 32HVQFN | Lead Free Status / RoHS Status | Lead free / RoHS Compliant |
| Quantity Available | 4507 pcs | Data sheet | ADC1213S Series |
| Category | Integrated Circuits (ICs) | Voltage - Supply, Digital | 1.65 V ~ 1.95 V |
| Voltage - Supply, Analog | 2.85 V ~ 3.4 V | Supplier Device Package | 32-HVQFN (7x7) |
| Series | - | Sampling Rate (Per Second) | 80M |
| Reference Type | External, Internal | Ratio - S/H:ADC | 1:1 |
| Packaging | Tape & Reel (TR) | Package / Case | 32-VFQFN Exposed Pad |
| Other Names | IDTADC1213S080HN-C18 IDTADC1213S080HN-C18-ND | Operating Temperature | -40°C ~ 85°C |
| Number of Inputs | 1 | Number of Bits | 12 |
| 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 | 12 Bit Analog to Digital Converter 1 Input 1 Pipelined 32-HVQFN (7x7) |
| Data Interface | JESD204A | Configuration | S/H-ADC |
| Architecture | Pipelined | | |
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| RELATED PRODUCTS | | | |
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|  | Part#: ADC1213S080HN/C1:5 Description: IC ADC 80MHZ SOT1152-1 | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: ADC1213S125HN/C1,5 Description: IC ADC 125MHZ SOT1152-1 | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: ADC1213S065HN/C1:5 Description: IC ADC 65MHZ SOT1152-1 | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: ADC1213S080HN-C1 Description: IC ADC 12BIT 1CH 80MSPS 32HVQFN | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: ADC1213D125HN/C1,1 Description: ADC 12BIT DUAL 125MSPS 56HVQFN | Manufacturers: NXP Semiconductors / Freescale | RFQ |
|  | Part#: ADC1213S125HN/C1:5 Description: IC ADC 125MHZ SOT1152-1 | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: ADC1213S105HN-C18 Description: IC ADC 12BIT 1CH 105MSPS 32HVQFN | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: ADC1213D125W1-DB Description: BOARD DEMO ADC1213D125W1 | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: ADC1213S080HN/C1,5 Description: IC ADC 80MHZ SOT1152-1 | Manufacturers: IDT, Integrated Device Technology Inc | RFQ |
|  | Part#: ADC1213S105HN-C1 Description: IC ADC 12BIT 1CH 105MSPS 32HVQFN | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: ADC1213S065HN-C1 Description: IC ADC 12BIT 1CH 65MSPS 32HVQFN | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: ADC1213S125HN-C18 Description: IC ADC 12BIT 1CH 125MSPS 32HVQFN | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: ADC1213D125HN-C18 Description: IC ADC 12BIT 2CH 125NS 56VFQFP | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: ADC1213D125WO-DB Description: BOARD DEMO ADC1213D125WO | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: ADC1213S065HN/C1,5 Description: IC ADC 65MHZ SOT1152-1 | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: ADC1213S065HN-C18 Description: IC ADC 12BIT 1CH 65MSPS 32HVQFN | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: ADC1213S105HN/C1,5 Description: IC ADC 105MHZ SOT1152-1 | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: ADC1213S125HN-C1 Description: IC ADC 12BIT 1CH 125MSPS 32HVQFN | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: ADC1213S105HN/C1:5 Description: IC ADC 105MHZ SOT1152-1 | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: ADC1213D125HN/C1,5 Description: ADC 12BIT DUAL 125MSPS 56HVQFN | Manufacturers: IDT (Integrated Device Technology) | RFQ |

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