

IDTADC1210S080HN-C18



Part Number: IDTADC1210S080HN-C18

Manufacturer: IDT (Integrated Device Technology)

Description: IC ADC 12BIT 1CH 80MSPS 40HVQFN

Data sheet:  IDTADC1210S

RoHs Status: Lead free / RoHS Compliant

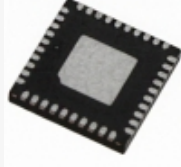
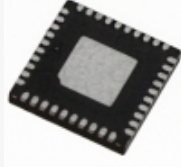
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                        |                                |                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------|------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                            | IDTADC1210S080HN-C18                                                   | Manufacturer                   | IDT (Integrated Device Technology) |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC ADC 12BIT 1CH 80MSPS 40HVQFN                                        | Lead Free Status / RoHS Status | Lead free / RoHS Compliant         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4736 pcs                                                               | Data sheet                     | IDTADC1210S                        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                               | Integrated Circuits (ICs)                                              | Voltage - Supply, Digital      | 2.85 V ~ 3.4 V                     |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                               | 2.85 V ~ 3.4 V                                                         | Supplier Device Package        | 40-VFQFPN (6x6)                    |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                                                      | Sampling Rate (Per Second)     | 80M                                |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                         | External, Internal                                                     | Ratio - S/H:ADC                | 1:1                                |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                              | Tape & Reel (TR)                                                       | Package / Case                 | 40-VFQFN Exposed Pad               |
| 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 40-VFQFPN (6x6) | Data Interface                 | LVDS - Parallel, Parallel          |
| Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                          | S/H-ADC                                                                | Architecture                   | Pipelined                          |
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| RELATED PRODUCTS                                                                   |                                                                              |                                                   |     |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------|-----|
|  | Part#: IDTADC1207S080HW-C28<br>Description: IC ADC 12BIT 1CH 80MSPS 48HTQFP  | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1210S105F1-DB<br>Description: BOARD DEMO ADC1210S105F1          | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1207S080HW-C2<br>Description: IC ADC 12BIT 1CH 80MSPS 48HTQFP   | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1212D065F2-DB<br>Description: BOARD DEMO ADC1212D065F2          | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1210S080F1-DB<br>Description: BOARD DEMO ADC1210S080F1          | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1210S105HN-C1<br>Description: IC ADC 12BIT 1CH 105MSPS 40HVQFN  | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1210S080HN-C1<br>Description: IC ADC 12BIT 1CH 80MSPS 40HVQFN   | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1212D065F1-DB<br>Description: BOARD DEMO ADC1212D065F1          | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1210S125F1-DB<br>Description: BOARD DEMO ADC1210S125F1          | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1210S065HN-C18<br>Description: IC ADC 12BIT 1CH 65MSPS 40HVQFN  | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1210S080F2-DB<br>Description: BOARD DEMO ADC1210S080F2          | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1210S065F1-DB<br>Description: BOARD DEMO ADC1210S065F1          | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1210S125HN-C18<br>Description: IC ADC 12BIT 1CH 125MSPS 40HVQFN | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1207S080-DB<br>Description: BOARD DEMO ADC1207S080              | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1210S125HN-C1<br>Description: IC ADC 12BIT 1CH 125MSPS 40HVQFN  | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1210S105HN-C18<br>Description: IC ADC 12BIT 1CH 105MSPS 40HVQFN | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1210S065F2-DB<br>Description: BOARD DEMO ADC1210S065F2          | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1210S065HN-C1<br>Description: IC ADC 12BIT 1CH 65MSPS 40HVQFN   | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1210S125F2-DB<br>Description: BOARD DEMO ADC1210S125F2          | Manufacturers: IDT (Integrated Device Technology) | RFQ |
|  | Part#: IDTADC1210S105F2-DB<br>Description: BOARD DEMO ADC1210S105F2          | Manufacturers: IDT (Integrated Device Technology) | RFQ |

Related keywords for IDTADC1210S080HN-C18

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| IDT (Integrated Device Technology)    | IDTADC1210S080HN-C18 distributor        | IDTADC1210S080HN-C18 supplier  | IDTADC1210S080HN-C18 price         |
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| IDT, Integrated Device Technology Inc | Integrated Device Technology (IDT)      |                                |                                    |
| IDTADC1210S080HN-C18                  | IDTADC1210S080HN-C18                    |                                |                                    |