

ADC1613S105HN-C1



Part Number: [ADC1613S105HN-C1](#)

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

Description: IC ADC 16BIT 1CH 105MSPS 32HVQFN

Data sheet:  [ADC1613S Series](#)

RoHs Status: Lead free / RoHS Compliant

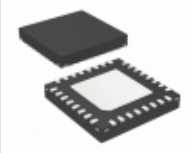
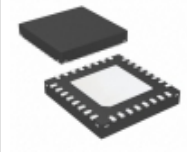
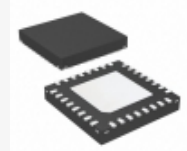
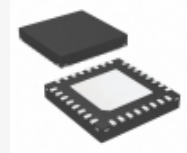
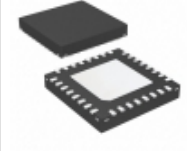
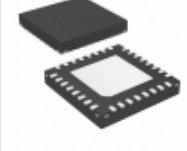
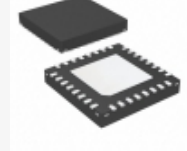
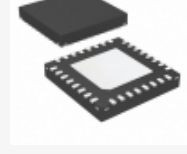
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PRODUCT PARAMETER			
Part Number	ADC1613S105HN-C1	Manufacturer	IDT (Integrated Device Technology)
Description	IC ADC 16BIT 1CH 105MSPS 32HVQFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5385 pcs	Data sheet	ADC1613S 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-VFQFPN (5x5)
Series	-	Sampling Rate (Per Second)	105M
Reference Type	Internal	Ratio - S/H:ADC	1:1
Packaging	Tray	Package / Case	32-VFQFN Exposed Pad
Other Names	IDTADC1613S105HN-C1 IDTADC1613S105HN-C1-ND	Operating Temperature	-40°C ~ 85°C
Number of Inputs	1	Number of Bits	16
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	16 Bit Analog to Digital Converter 1 Input 1 Pipelined 32-VFQFPN (5x5)
Data Interface	JESD204A	Configuration	S/H-ADC
Architecture	Pipelined		
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RELATED PRODUCTS			
	Part#: ADC1613S125HN-C18 Description: IC ADC 16BIT 1CH 125MSPS 32HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613S080HN-C1 Description: IC ADC 16BIT 1CH 80MSPS 32HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613S065HN/C1,5 Description: IC ADC 65MHZ SOT1152-1	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613D125WO-DB Description: BOARD DEMO FOR ADC1613D125W0	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613S105HN/C1:5 Description: IC ADC 105MHZ SOT1152-1	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC161S626BEB/NOPB Description: BOARD EVAL ADC FOR AFE ADC161S62	Manufacturers: N/A	RFQ
	Part#: ADC1613D125W1-DB Description: BOARD DEMO FOR ADC1613D125W1	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC161S626C1MM/NOPB Description: IC ADC 16BIT 50/250KSPS 10-MSOP	Manufacturers: N/A	RFQ
	Part#: ADC1613S080HN-C18 Description: IC ADC 16BIT 1CH 80MSPS 32HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613S105HN/C1,5 Description: IC ADC 105MHZ SOT1152-1	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613S065HN-C18 Description: IC ADC 16BIT 1CH 65MSPS 32HVQFN	Manufacturers: IDT (Integrated Device Technology)	RFQ
	Part#: ADC1613S080HN/C1:5 Description: IC ADC 80MHZ SOT1152-1	Manufacturers: IDT (Integrated Device Technology)	RFQ
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	Part#: ADC161S626C1MME/NOPB Description: IC ADC 16BIT 50/250KSPS 10-MSOP	Manufacturers: N/A	RFQ
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