SDC1742-411B

Data Sheet

12-Bit Synchro-to-Digital Converter; Package: METAL RECT. HERMETIC DIP; No of Pins: 32; Temperature Range: Industrial

Manufacturers	Analog Devices, Inc
Package/Case	CDIP32
Product Type	Data Conversion ICs
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for SDC1742-411B or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The SDC1742 is a hybrid 12-bit continuous tracking synchro digitalconverter.In the core of this hybrid, the conversion process is performedby a monolithic IC manufactured in Analog Devices proprietary BiMOS IIprocess that combines the advantages of CMOS logic and bipolar high accuracy linear circuits on the same chip.Internal isolating micro-transformers are used to provide true isolation of the signal and reference inputs.The 12-bit digital word is in a three-state digital form available in two bytes. Using separate ENABLE inputs for the most significant 8 bits and the least significant 6 or 4 bits not only simplifies multiplexing off more than one device onto a single data bus, but also enables the INHIBIT input to be used without interrupting the operation of tracking loop.The converters are hermetically sealed in a 32-pin welded metal package.

Features

Internal Isolation Transformers

Military Temperature Range

Three Accuracy Options

14-Bit or 12-Bit Resolution

High, Continuous Tracking Rate

32-Pin Welded Metal Package

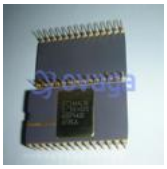
Hermetically Sealed

Ratiometric Conversion

Laser Trimmed - No External Adjustment

Three-State Latched Outputs

Related Products



[AD574ASD]

Analog Devices, Inc

DIP-28

[MAX531BCSD]

Analog Devices, Inc

SOIC-14

[SDC1742-412B]

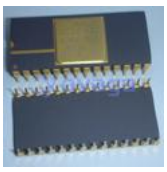
Analog Devices, Inc

TDIP-32

[AD558SD/883B]

Analog Devices, Inc

DIP-16



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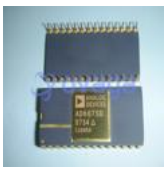
CDIP28



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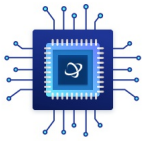
CDIP28



EV-AD74412RSDZ

Analog Devices, Inc

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AD570SD

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CERDIP-18