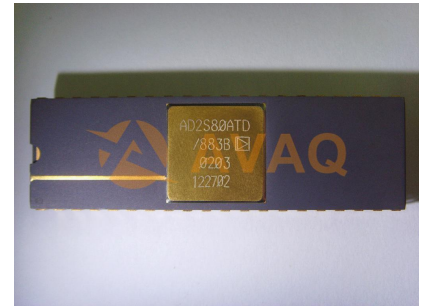


Resolver to Digital 16bit Parallel $\pm 4\text{arcmin}$ 40-Pin SBCDIP Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Analog Devices, Inc](#)

Package/Case: CDIP

Product Type: Data Conversion ICs

Lifecycle: NRND

General Description

The converter allows users to select their own resolution and dynamic performance with external components. This allows the users great flexibility in defining the converter that best suits their system requirements. The converter allows users to select the resolution to be 10, 12, 14, or 16 bits [AD2S81A allows 12 bit resolution only] and to track resolver signals rotating at up to 1040 revs per second (62,400 rpm) when set to 10-bit resolution. The AD2S80A/AD2S81A/AD2S82A series converts resolver format input signals into a parallel natural binary digital word using a ratiometric tracking conversion method. This ensures high noise immunity and tolerance of long leads allowing the converter to be located remote from the resolver. The AD2S80A/AD2S81A/AD2S82A series operates over reference frequencies in the range 50 Hz to 20,000 Hz.

Key Features

AD2S80A/AD2S81A/AD2S82A

Tracking R/D Converter Ratiometric Conversion High Max Tracking Rate 1040 RPS(10 Bits) 10-, 12-, 14-, or 16-Bit Resolution Set by User Dynamic Performance Set by User Velocity Output

AD2S81A 12-Bit fixed resolution only 28-Lead DIP package

AD2S82A VCO output Data complement facility 44-Lead PLCC package

Application

DC Brushless and AC

Motor Control

Process Control

Numerical Control of
Machine Tools

Robotics

Axis Control

Military Servo Control



Recommended For You

AD7305BRZ

Analog Devices, Inc
SOP20

AD9910BSVZ

Analog Devices, Inc
TQFP100

AD9831ASTZ

Analog Devices, Inc
QFP

AD5447YRUZ

Analog Devices, Inc
TSSOP

AD5302BRMZ

Analog Devices, Inc
MSOP10

AD5531BRUZ

Analog Devices, Inc
TSSOP16

AD537JH

Analog Devices, Inc
CAN10

AD652AQ

Analog Devices, Inc
DIP

AD654JN

Analog Devices, Inc
DIP8

AD7740YRMZ

Analog Devices, Inc
MSOP8

AD9914BCPZ

Analog Devices, Inc
LFCSP

AD73311ARSZ

Analog Devices, Inc
SSOP20

AD7291BCPZ

Analog Devices, Inc
LFCSP20

AD9954YSVZ

Analog Devices, Inc
QFP

AD2S1205YSTZ

Analog Devices, Inc
LQFP44