

AD2S81AJD

Resolver to Digital 12bit Parallel ±30arcmin 28-Pin CDIP Tube

Manufacturer:	Analog Devices, Inc
Package/Case:	DIP
Product Type:	Data Conversion ICs
Lifecycle:	NRND



Images are for reference only

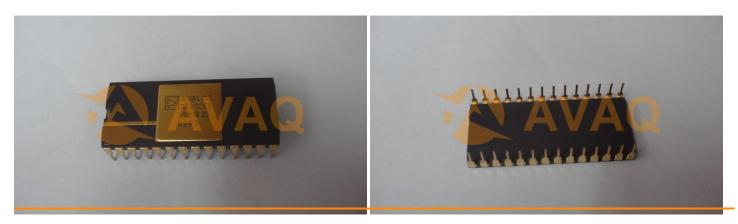
Inquiry

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 [AD2S81Aallows 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 FeaturesApplicationAD2S80A/AD2S81A/AD2S82ADC Brushless and AC
Motor ControlTracking R/D Converter Ratiometric Conversion High Max Tracking Rate 1040 RPS(10 Bits) 10-, 12-, 14-, or 16-Bit ResolutionMotor ControlVotor S281A 12-Bit fixed resolution only28-Lead DIP packageProcess ControlAD2S82A VCO outputData complement facility 44-Lead PLCC packageNumerical Control of
Machine ToolskobitisRoboticskobitisRoboticskobitisAcis Control

Military Servo Control



AVAQ SEMICONDUCTOR CO., LIMITED

Email: sales@avaq.com

Recommended For You

Analog Devices, Inc SOP20

AD7305BRZ

AD5447YRUZ Analog Devices, Inc TSSOP

AD537JH Analog Devices, Inc CAN10

AD7740YRMZ Analog Devices, Inc MSOP8

AD7291BCPZ Analog Devices, Inc LFCSP20 AD9910BSVZ Analog Devices, Inc

TQFP100

AD5302BRMZ Analog Devices, Inc MSOP10

AD652AQ Analog Devices, Inc DIP

AD9914BCPZ Analog Devices, Inc LFCSP

AD9954YSVZ Analog Devices, Inc QFP AD9831ASTZ

Analog Devices, Inc QFP

AD5531BRUZ Analog Devices, Inc TSSOP16

Analog Devices, Inc DIP8

AD654JN

AD73311ARSZ Analog Devices, Inc SSOP20

Analog Devices, Inc LQFP44

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