


AFE General Purpose 6 ADC 16bit 5V 28-Pin SOIC W Tube

Manufacturer:	<u>Analog Devices, Inc</u>
Package/Case:	SOP28
Product Type:	Data Conversion ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The AD73360 is a six-channel analog input front-end processor for general purpose applications including industrial power metering or multi-channel analog inputs. It features six 16-bit A/D conversion channels each of which provide 77 dB signal-to-noise ratio over a voiceband signal bandwidth. It also features a programmable input gain amplifier (PGA) with gain settings in eight stages from 0 dB to 38 dB. The AD73360 is particularly suitable for industrial power metering as each channel samples synchronously ensuring that there is very little time (phase) delay between the conversions.

The AD73360 also features low group delay conversions on all channels. An on-chip reference voltage is included to allow single supply operation. This reference is programmable to accommodate either 3V or 5V operation. The sampling rate of the device is programmable with four separate settings offering 64, 32, 16 and 8 kHz sampling rates (from a master clock of 16.384 MHz). A serial port (SPORT) allows easy interfacing of single or cas-caded devices to industry standard DSP engines. The SPORT transfer rate is programmable to allow interfacing to both fast and slow DSP engines.

The AD73360 is available in 28-pin SOIC and 44-pin TQFP packages.

Key Features

Six 16-Bit A/D Converters

Programmable Input Sample Rate

77 dB ADC SNR

64 kS/s Maximum Sample Rate

Low Group Delay (25 μ s typ per ADC Channel)

Programmable Input Gain

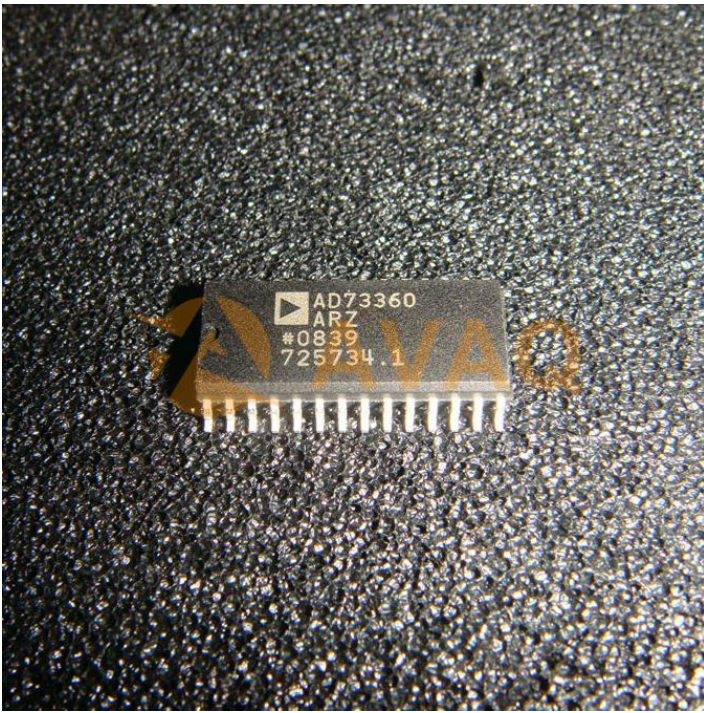
Flexible Serial Port Allows Multiple Devices To Be Connected in Cascade

Single (+2.7 V to +5.5 V) Supply Operation

80 mW Max Power Consumption at 2.7 V

On-Chip Reference

28-Pin SOIC and 44-Pin TQFP Packages



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