



### Part Number ADS-930/883, Sampling A/D Converters

16 Bit, 500kHz (500KSPS), Sampling Analog to Digital (A/D) Converter.  $\pm 5V$  Input range, no pipeline delay, on board FIFO,  $-55^{\circ}C$  to  $+125^{\circ}C$  temperature range, High Reliability 883 Screening.

Image is for illustration purposes only

### Specifications

Resolution	16 Bit
Number of Channels	1
Sampling Rate	0.5 MHz
Power Consumption	3.5 W
Differential Non-Linearity Error/Other	1.0 LSB
Integral Non-Linearity Error/Other	1.5 LSB
Package Type	TDIP
Input Range 1st (min)	-10 V
Input Range 1st (max)	0 V
Input Range 2nd (min)	-5 V
Input Range 2nd (max)	5 V
Required Supply Voltage 1st	5 V
Required Supply Voltage 3rd	15 V
Required Supply Voltage 4th	-15 V
Total Harmonic Distortion	-89 dB
Signal to Noise Ratio	83 dB
Analog Bandwidth	2 MHz
Operating Temp. Range (min)	$-55^{\circ}C$
Operating Temp. Range (max)	$+125^{\circ}C$
RoHS	No
Status	Recommended for new design

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