

Item # ADS-927/883, Sampling A/D Converters

List Price

Sampling A/D Converters

14 Bit, 1MHz (1MSPS), Sampling Analog to Digital (A/D) Converter. $\pm 5V$ Input range, no pipeline delay, $-55^{\circ}C$ to $+125^{\circ}C$ temperature range, High Reliability 883 Screening.



Image is for illustration purposes only

SPECIFICATIONS

Resolution	14 bits
Number of Channels	1
Sampling Rate	1 MHz
Acquisition Time	445 ns
Power Consumption	1.9 W
Differential Non-Linearity Error/Other	0.75 LSB
Integral Non-Linearity Error/Other	1.5 LSB
Package Type	DDIP
Input Range 1st (min)	-5 V
Input Range 1st (max)	5 V
Required Supply Voltage 1st	5 V
Required Supply Voltage 3rd	15 V
Required Supply Voltage 4th	-15 V
Total Harmonic Distortion	-87 dB
Signal to Noise Ratio	76 dB

Analog Bandwidth	7 MHz
Operating Temp. Range (min)	-55 °C
Operating Temp. Range (max)	125 °C
RoHS	No
Status	Recommended for new design