

Item # ADS-916/883, Sampling A/D Converters

List Price

Sampling A/D Converters

14 bit, 500kHz (500KSPS), Sampling Analog to Digital (A/D) Converter. 0 to +10V Input range, no pipeline delay, -55°C to +125°C temperature range, High Reliability 883 Screening.



Image is for illustration purposes only

SPECIFICATIONS

Resolution	14 bits
Number of Channels	1
Sampling Rate	0.5 MHz
Acquisition Time	1570 ns
Power Consumption	1.8 W
Differential Non-Linearity Error/Other	0.5 LSB
Integral Non-Linearity Error/Other	0.5 LSB
Package Type	DDIP
Input Range 1st (min)	0 V
Input Range 1st (max)	10 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	-90 dB
Signal to Noise Ratio	83 dB
Analog Bandwidth	7 MHz
Operating Temp. Range (min)	-55 °C
Operating Temp. Range (max)	125 °C
RoHS	No
Status	Recommended for new design