

## Item # ADS-945EX, Sampling A/D Converters

List Price

### Sampling A/D Converters

14 Bit, 10MHz (10MSPS), Sampling Analog to Digital (A/D) Converter,  $\pm 1.25V$  Input range,  $-55^{\circ}C$  to  $+125^{\circ}C$  temperature range.



Image is for illustration purposes only

### SPECIFICATIONS

Resolution	14 bits
Number of Channels	1
Sampling Rate	10 MHz
Power Consumption	4 W
Differential Non-Linearity Error/Other	0.5 LSB
Integral Non-Linearity Error/Other	0.75 LSB
Package Type	DIP
Input Range 1st (min)	-1.25 V
Input Range 1st (max)	1.25 V
Required Supply Voltage 1st	5 V
Required Supply Voltage 2nd	-5 V
Required Supply Voltage 3rd	15 V
Required Supply Voltage 4th	-15 V
Total Harmonic Distortion	-80 dB
Signal to Noise Ratio	77 dB

Analog Bandwidth	100 MHz
Operating Temp. Range (min)	-55 °C
Operating Temp. Range (max)	125 °C
RoHS	No
Status	Recommended for new design