

**Part Number ADS-945EX-c, Sampling A/D Converters**

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

Image is for illustration purposes only

**Specifications**

Resolution	14 Bit
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	Yes
Status	Recommended for new design

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