

**Part Number ADSD-1410S, Sampling A/D Converters**

14 Bit, 10MHz (10MSPS) Low Cost - Dual Sampling Analog to Digital (A/D) Converter, 14 Bit, 10MSPS Sampling A/D Converter.  $\pm 2.5\text{V}$  Input range,  $0^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$  temperature range, surface mount package.

**Specifications**

Resolution	14 Bit
Number of Channels	2
Sampling Rate	10 MHz
Power Consumption	1.6 W
Differential Non-Linearity Error/Other	0.5 LSB
Package Type	DIP
Input Range 1st (min)	-2.5 V
Input Range 1st (max)	2.5 V
Required Supply Voltage 1st	5 V
Required Supply Voltage 2nd	-5 V
Total Harmonic Distortion	-84 dB
Signal to Noise Ratio	76 dB
Analog Bandwidth	14 MHz
Operating Temp. Range (min)	$0^{\circ}\text{C}$
Operating Temp. Range (max)	$+70^{\circ}\text{C}$
RoHS	No
Status	Recommended for new design

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