



Part Number ADS-931MC, Sampling A/D Converters

16 Bit, 1MHz (1MSPS), Sampling Analog to Digital (A/D) Converter, $\pm 2.75\text{V}$ or 0 to -5.5V Input range, 0°C to $+70^\circ\text{C}$ temperature range.

Image is for illustration purposes only

Specifications

Resolution	16 Bit
Number of Channels	1
Sampling Rate	1 MHz
Power Consumption	1.85 W
Differential Non-Linearity Error/Other	0.5 LSB
Integral Non-Linearity Error/Other	1 LSB
Package Type	TDIP
Input Range 1st (min)	-2.75 V
Input Range 1st (max)	2.75 V
Input Range 2nd (min)	-5.5 V
Input Range 2nd (max)	0 V
Required Supply Voltage 1st	5 V
Required Supply Voltage 2nd	-5 V
Total Harmonic Distortion	-89 dB
Signal to Noise Ratio	87 dB
Analog Bandwidth	4.8 MHz
Operating Temp. Range (min)	0°C
Operating Temp. Range (max)	$+70^\circ\text{C}$
RoHS	No
Status	Recommended for new design

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