

Item # ADS-944MC, Sampling A/D Converters

List Price

Sampling A/D Converters

14 Bit, 5MHz (5MSPS), Sampling Analog to Digital (A/D) Converter, $\pm 1.25V$ Input range, $0^{\circ}C$ to $+70^{\circ}C$ temperature range.



Image is for illustration purposes only

SPECIFICATIONS

Resolution	14 bits
Number of Channels	1
Sampling Rate	5 MHz
Power Consumption	2.95 W
Differential Non-Linearity Error/Other	0.5 LSB
Integral Non-Linearity Error/Other	0.75 LSB
Package Type	TDIP
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	-77 dB
Signal to Noise Ratio	76 dB

Analog Bandwidth	20 MHz
Operating Temp. Range (min)	0 °C
Operating Temp. Range (max)	70 °C
RoHS	No
Status	Recommended for new design