

Item # ADS-946MC-C, Sampling A/D Converters

List Price

Sampling A/D Converters

14 Bit, 8MHz (8MSPS), Sampling Analog to Digital (A/D) Converter. $\pm 2V$ Input range, 0°C to +70°C temperature range, RoHS Compliant.



Image is for illustration purposes only

SPECIFICATIONS

Resolution	14 bits
Number of Channels	1
Sampling Rate	8 MHz
Power Consumption	2 W
Differential Non-Linearity Error/Other	0.5 LSB
Integral Non-Linearity Error/Other	0.75 LSB
Package Type	DDIP
Input Range 1st (min)	-2 V
Input Range 1st (max)	2 V
Required Supply Voltage 1st	5 V
Required Supply Voltage 2nd	-5 V
Total Harmonic Distortion	-81 dB
Signal to Noise Ratio	76 dB
Analog Bandwidth	30 MHz
Operating Temp. Range (min)	0 °C

Operating Temp. Range (max)	70 °C
RoHS	Yes
Status	Recommended for new design