

Item # ADS-949GC, Sampling A/D Converters

List Price

Sampling A/D Converters

14 Bit, 12.8MHz (12.8MSPS) Sampling Analog to Digital (A/D) Converter, $\pm 2.5V$, or 0 to +5V Input range, 0°C to +70°C temperature range, surface mount package.



Image is for illustration purposes only

SPECIFICATIONS

Resolution	14 bits
Number of Channels	1
Sampling Rate	12.8 MHz
Power Consumption	1 W
Differential Non-Linearity Error/Other	0.5 LSB
Integral Non-Linearity Error/Other	0.75 LSB
Package Type	SMT
Input Range 1st (min)	0 V
Input Range 1st (max)	5 V
Input Range 2nd (min)	-2.5 V
Input Range 2nd (max)	2.5 V
Required Supply Voltage 1st	5 V
Required Supply Voltage 2nd	-5 V
Required Supply Voltage 3rd	15 V
Total Harmonic Distortion	-81 dB

Signal to Noise Ratio	78 dB
Analog Bandwidth	30 MHz
Operating Temp. Range (min)	0 °C
Operating Temp. Range (max)	70 °C
RoHS	No
Status	Recommended for new design