

Item # ADS-916GC-C, Sampling A/D Converters

List Price

Sampling A/D Converters

14 bit, 500kHz (500KSPS), Sampling Analog to Digital (A/D) Converter. 0 to +10V Input range, no pipeline delay, 0°C to +70°C temperature range, surface mount package, RoHS Ccompliant.



Image is for illustration purposes only

SPECIFICATIONS

Resolution	14 bits
Number of Channels	1
Sampling Rate	0.5 MHz
Acquisition Time	1570 ns
Power Consumption	1.8 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)	10 V
Required Supply Voltage 1st	5 V
Required Supply Voltage 3rd	15 V
Required Supply Voltage 4th	-15 V
Total Harmonic Distortion	-90 dB
Signal to Noise Ratio	81 dB

Analog Bandwidth	7 MHz
Operating Temp. Range (min)	0 °C
Operating Temp. Range (max)	70 °C
RoHS	Yes
Status	Recommended for new design