

## Item # ADS-929MC-C, Sampling A/D Converters

List Price

### Sampling A/D Converters

14 Bit, 2MHz (2MSPS), Sampling Analog to Digital (A/D) Converter,  $\pm 5V$  Input range,  $0^{\circ}C$  to  $+70^{\circ}C$  temperature range, RoHS Compliant.



Image is for illustration purposes only

### SPECIFICATIONS

Resolution	14 bits
Number of Channels	1
Sampling Rate	2 MHz
Acquisition Time	230 ns
Power Consumption	1.7 W
Differential Non-Linearity Error/Other	0.5 LSB
Integral Non-Linearity Error/Other	0.75 LSB
Package Type	DDIP
Input Range 1st (min)	-5 V
Input Range 1st (max)	5 V
Required Supply Voltage 1st	5 V
Required Supply Voltage 3rd	15 V
Required Supply Voltage 4th	-15 V
Total Harmonic Distortion	-79 dB
Signal to Noise Ratio	78 dB

Analog Bandwidth	9 MHz
Operating Temp. Range (min)	0 °C
Operating Temp. Range (max)	70 °C
RoHS	Yes
Status	Recommended for new design