

## Item # ADS-942AMC, Sampling A/D Converters

List Price

### Sampling A/D Converters

14 Bit, 2MHz (2MSPS), Sampling Analog to Digital (A/D) Converter.  $\pm 5V$  or 0 to +10V Input range, no pipeline delay, 0°C to +70°C temperature range.



Image is for illustration purposes only

### SPECIFICATIONS

Resolution	14 bits
Number of Channels	1
Sampling Rate	2 MHz
Power Consumption	2.2 W
Differential Non-Linearity Error/Other	0.5 LSB
Integral Non-Linearity Error/Other	1 LSB
Package Type	TDIP
Input Range 1st (min)	0 V
Input Range 1st (max)	10 V
Input Range 2nd (min)	-5 V
Input Range 2nd (max)	5 V
Required Supply Voltage 1st	5 V
Required Supply Voltage 3rd	15 V
Required Supply Voltage 4th	-15 V
Total Harmonic Distortion	-85 dB

Signal to Noise Ratio	80 dB
Analog Bandwidth	6 MHz
Operating Temp. Range (min)	0 °C
Operating Temp. Range (max)	70 °C
RoHS	No
Status	Recommended for new design