

Item # ADS-117MC-C, Sampling A/D Converters

List Price

Sampling A/D Converters

12 bit, 2MHz (2MSPS), Sampling Analog to Digital (A/D) Converter with Three-state output buffers. $\pm 5V$ or 0 to +10V Input range, no pipeline delay, 0°C to +70°C temperature range, RoHS Compliant.



Image is for illustration purposes only

SPECIFICATIONS

Resolution	12 bits
Number of Channels	1
Sampling Rate	2 MHz
Acquisition Time	155 ns
Power Consumption	1.6 W
Differential Non-Linearity Error/Other	0.5 LSB
Integral Non-Linearity Error/Other	0.5 LSB
Package Type	DDIP
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	-78 dB
Signal to Noise Ratio	72 dB
Analog Bandwidth	10 MHz
Operating Temp. Range (min)	0 °C
Operating Temp. Range (max)	70 °C
RoHS	Yes
Status	Recommended for new design