

Item # ADS-118MC-C, Sampling A/D Converters

List Price

Sampling A/D Converters

12 Bit, 5MHz (5MSPS), Sampling Analog to Digital (A/D) Converter with Three-state output buffers. $\pm 1V$ Input range, no pipeline delay, $0^{\circ}C$ to $+70^{\circ}C$ temperature range, RoHS Compliant.



Image is for illustration purposes only

SPECIFICATIONS

Resolution	12 bits
Number of Channels	1
Sampling Rate	5 MHz
Acquisition Time	85 ns
Power Consumption	1.8 W
Differential Non-Linearity Error/Other	0.5 LSB
Integral Non-Linearity Error/Other	0.75 LSB
Package Type	DDIP
Input Range 1st (min)	-1 V
Input Range 1st (max)	1 V
Required Supply Voltage 1st	5 V
Required Supply Voltage 2nd	-5 V
Total Harmonic Distortion	-71 dB
Signal to Noise Ratio	69 dB
Analog Bandwidth	20 MHz

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