

**Item # ADS-118MM-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,  $-55^{\circ}C$  to  $+125^{\circ}C$  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	1 LSB
Integral Non-Linearity Error/Other	1.5 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	-70 dB
Signal to Noise Ratio	67 dB
Analog Bandwidth	20 MHz

Operating Temp. Range (min)	-55 °C
Operating Temp. Range (max)	125 °C
RoHS	Yes
Status	Recommended for new design