

Item # ADS-118MM, 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. ±1V Input range, no pipeline delay, -55°C to +125°C temperature range.



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	No
Status	Recommended for new design