DATEL Innovation & Excellence

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Part Number ADS-112MM-C, Sampling A/D Converters

12 Bit, 1MHz (1MSPS), Sampling Analog to Digital (A/D) Converter with Three-state output buffers. ±5V or 0 to +10V Input range, no pipeline delay, -55°C to +125°C temperature range, RoHS Compliant.

Specifications

Resolution	12 Bit
Number of Channels	1
Sampling Rate	1 MHz
Acquisition Time	250 ns
Power Consumption	1.3 W
Differential Non-Linearity Error/Other	1.0 LSB
Integral Non-Linearity Error/Other	1.5 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)	-55 ºC
Operating Temp. Range (max)	+125 ºC
RoHS	Yes
Status	Recommended for new design

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