DATEL Innovation & Excellence

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Part Number ADS-118AMC-C, Sampling A/D Converters

12 Bit, 5MHz (5MSPS), Sampling Analog to Digital (A/D) Conveter with Three-state output buffers. ±1.25V Input range, no pipeline delay, 0°C to +70°C temperature range, RoHS Compliant.

Specifications

Resolution	12 Bit
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	SMT
Input Range 1st (min)	-1.25 V
Input Range 1st (max)	1.25 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 ºC
Operating Temp. Range (max)	+70 ºC
RoHS	Yes
Status	Recommended for new design

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