DATEL Innovation & Excellence

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Part Number ADS-941MC-C, Sampling A/D Converters

14 Bit, 1MHz (1MSPS), Sampling Analog to Digital (A/D) Converter. ±5V or 0 to +10V Input range, no pipeline delay, 0°C to +70°C temperature range, RoHS Compliant.

Specifications

Resolution	14 Bit
Number of Channels	1
Sampling Rate	1 MHz
Power Consumption	2.8 W
Differential Non-Linearity Error/Other	0.5 LSB
Integral Non-Linearity Error/Other	1 LSB
Package Type	TDIP
Input Range 1st (min)	-10 V
Input Range 1st (max)	0 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	-85 dB
Signal to Noise Ratio	80 dB
Analog Bandwidth	6 MHz
Operating Temp. Range (min)	0 ºC
Operating Temp. Range (max)	+70 ºC
RoHS	Yes
Status	Recommended for new design

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