

Part Number ADS-951GM-C, Sampling A/D Converters

The ADS-951 is an 18 Bit, 1MHz sampling A/D converter. This device accurately samples full-scale input signals up to 100kHz with no missing codes. This feature, combined with excellent signal-to-noise ratio (SNR) and total harmonic distortion (THD), makes the ADS-951 the ideal choice for both time-domain (medical imaging, scanners, process control) and frequency-domain (radar, telecommunications, spectrum analysis) applications. | 18 Bit, 1MHZ (1MSPS), Sampling Analog to Digital (A/D) Converter, $\pm 5V$ Input range, $-55^{\circ}C$ to $+125^{\circ}C$ temperature range.

Specifications

Resolution	18 Bit
Number of Channels	1
Sampling Rate	1 MHz
Power Consumption	0.4 W
Differential Non-Linearity Error/Other	0.3 LSB
Integral Non-Linearity Error/Other	1.25 LSB
Package Type	SMT
Input Range 1st (min)	-5 V
Input Range 1st (max)	5 V
Required Supply Voltage 1st	5 V
Required Supply Voltage 2nd	-5 V
Required Supply Voltage 3rd	5 V
Total Harmonic Distortion	-92 dB
Signal to Noise Ratio	90.3 dB
Analog Bandwidth	5 MHz
Operating Temp. Range (min)	$-55^{\circ}C$
Operating Temp. Range (max)	$+125^{\circ}C$
RoHS	Yes
Status	Preliminary Product Information

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