

## Item # ADS-937MM, Sampling A/D Converters

List Price

### Sampling A/D Converters

16 Bit, 1MHz (1MSPS), Sampling Analog to Digital (A/D) Converter. Low-Power Sampling A/D Converter.  $\pm 5V$  or 0 to -10V Input range, no pipeline delays, -55°C to +125°C temperature range.



Image is for illustration purposes only

### SPECIFICATIONS

Resolution	16 bits
Number of Channels	1
Sampling Rate	1 MHz
Power Consumption	1.25 W
Differential Non-Linearity Error/Other	0.5 LSB
Integral Non-Linearity Error/Other	2 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 2nd	-5 V
Required Supply Voltage 3rd	15 V
Total Harmonic Distortion	-87 dB

Signal to Noise Ratio	88 dB
Analog Bandwidth	4.5 MHz
Operating Temp. Range (min)	-55 °C
Operating Temp. Range (max)	125 °C
RoHS	No
Status	Recommended for new design