

**Part Number ADS-917G/883, Sampling A/D Converters**

14 Bit, 1MHz (1MSPS), Sampling Analog to Digital (A/D) Converter, 0 to +10V Input range, no pipeline delay, -55°C to +125°C temperature range, High Reliability 883 Screening.

Image is for illustration purposes only

**Specifications**

<b>Resolution</b>	14 Bit
<b>Number of Channels</b>	1
<b>Sampling Rate</b>	1 MHz
<b>Acquisition Time</b>	570 ns
<b>Power Consumption</b>	1.9 W
<b>Differential Non-Linearity Error/Other</b>	0.75 LSB
<b>Integral Non-Linearity Error/Other</b>	1.5 LSB
<b>Package Type</b>	SMT
<b>Input Range 1st (min)</b>	0 V
<b>Input Range 1st (max)</b>	10 V
<b>Input Range 2nd (min)</b>	-5 V
<b>Input Range 2nd (max)</b>	5 V
<b>Required Supply Voltage 1st</b>	5 V
<b>Required Supply Voltage 3rd</b>	15 V
<b>Required Supply Voltage 4th</b>	-15 V
<b>Total Harmonic Distortion</b>	-84 dB
<b>Signal to Noise Ratio</b>	77 dB
<b>Analog Bandwidth</b>	7 MHz
<b>Operating Temp. Range (min)</b>	-55 °C
<b>Operating Temp. Range (max)</b>	+125 °C
<b>RoHS</b>	No
<b>Status</b>	Recommended for new design

© DATEL is a registered trademark of DATEL, Inc.