



### Part Number ADS-119-C883, Sampling A/D Converters

12 bit, 10MHz (10MSPS), Sampling Analog to Digital (A/D) Converter.  $\pm 1.5V$  Input range, Through-Hole Package, no pipeline delay,  $-55^{\circ}C$  to  $+125^{\circ}C$  temperature range, High Reliability 883 Screening, RoHS Compliant.

Image is for illustration purposes only

### Specifications

Resolution	12 Bit
Number of Channels	1
Sampling Rate	10 MHz
Acquisition Time	35 ns
Power Consumption	1.8 W
Differential Non-Linearity Error/Other	0.5 LSB
Integral Non-Linearity Error/Other	0.75 LSB
Package Type	DDIP
Input Range 1st (min)	-1.5 V
Input Range 1st (max)	1.5 V
Required Supply Voltage 1st	5 V
Required Supply Voltage 2nd	-5 V
Total Harmonic Distortion	-68 dB
Signal to Noise Ratio	67 dB
Analog Bandwidth	60 MHz
Operating Temp. Range (min)	$-55^{\circ}C$
Operating Temp. Range (max)	$+125^{\circ}C$
RoHS	Yes
Status	Recommended for new design

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