

Item # ADS-944/883, Sampling A/D Converters

List Price

Sampling A/D Converters

14 Bit, 5MHz (5MSPS), Sampling Analog to Digital (A/D) Converter, $\pm 1.25V$ Input range, $-55^{\circ}C$ to $+125^{\circ}C$ temperature range, High Reliability Screening.



Image is for illustration purposes only

SPECIFICATIONS

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| Resolution | 14 bits |
| Number of Channels | 1 |
| Sampling Rate | 5 MHz |
| Power Consumption | 2.95 W |
| Differential Non-Linearity Error/Other | 0.5 LSB |
| Integral Non-Linearity Error/Other | 0.75 LSB |
| Package Type | TDIP |
| Input Range 1st (min) | -1.25 V |
| Input Range 1st (max) | 1.25 V |
| Required Supply Voltage 1st | 5 V |
| Required Supply Voltage 2nd | -5 V |
| Required Supply Voltage 3rd | 15 V |
| Required Supply Voltage 4th | -15 V |
| Total Harmonic Distortion | -77 dB |
| Signal to Noise Ratio | 76 dB |

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|-----------------------------|----------------------------|
| Analog Bandwidth | 20 MHz |
| Operating Temp. Range (min) | -55 °C |
| Operating Temp. Range (max) | 125 °C |
| RoHS | No |
| Status | Recommended for new design |