

Item # ADS-916MM, Sampling A/D Converters

List Price

Sampling A/D Converters

14 bit, 500kHz (500KSPS), Sampling Analog to Digital (A/D) Converter. 0 to +10V Input range, no pipeline delay, -55°C to +125°C temperature range, RoHS Compliant.



Image is for illustration purposes only

SPECIFICATIONS

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| Resolution | 14 bits |
| Number of Channels | 1 |
| Sampling Rate | 0.5 MHz |
| Power Consumption | 1.8 W |
| Differential Non-Linearity Error/Other | 0.75 LSB |
| Integral Non-Linearity Error/Other | 1.5 LSB |
| Package Type | DDIP |
| Input Range 1st (min) | 0 V |
| Input Range 1st (max) | 10 V |
| Required Supply Voltage 1st | 5 V |
| Required Supply Voltage 3rd | 15 V |
| Required Supply Voltage 4th | -15 V |
| Total Harmonic Distortion | -87 dB |
| Signal to Noise Ratio | 80 dB |
| Analog Bandwidth | 7 MHz |

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|-----------------------------|----------------------------|
| Operating Temp. Range (min) | -55 °C |
| Operating Temp. Range (max) | 125 °C |
| RoHS | Yes |
| Status | Recommended for new design |