

## Item # ADSD-1402S-C, Sampling A/D Converters

List Price

### Sampling A/D Converters

14 Bit, 2MHz (2MSPS), Low Cost, Dual - Sampling Analog to Digital (A/D) Converter. -5V to +5V ( $\pm 5V$ ) Input range, Edge-triggered, no pipeline delays, 0°C to +70°C temperature range, surface mount package, RoHS Compliant.



Image is for illustration purposes only

### SPECIFICATIONS

|  |         |
|--|---------|
| Resolution                             | 14 bits |
| Number of Channels                     | 2       |
| Sampling Rate                          | 2 MHz   |
| Power Consumption                      | 0.725 W |
| Differential Non-Linearity Error/Other | 0.5 LSB |
| Integral Non-Linearity Error/Other     | 1 LSB   |
| Package Type                           | DIP     |
| Input Range 1st (min)                  | -5 V    |
| Input Range 1st (max)                  | 5 V     |
| Required Supply Voltage 1st            | 5 V     |
| Required Supply Voltage 2nd            | -5 V    |
| Total Harmonic Distortion              | -79 dB  |
| Signal to Noise Ratio                  | 76 dB   |
| Analog Bandwidth                       | 16 MHz  |
| Operating Temp. Range (min)            | 0 °C    |

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temp. Range (max) | 70 °C                      |
| RoHS                        | Yes                        |
| Status                      | Recommended for new design |