

## Item # ADS-927MC-C, Sampling A/D Converters

List Price

### Sampling A/D Converters

14 Bit, 1MHz (1MSPS), Sampling Analog to Digital (A/D) Converter.  $\pm 5V$  Input range, no pipeline delay,  $0^{\circ}C$  to  $+70^{\circ}C$  temperature range, RoHS Compliant.



Image is for illustration purposes only

### SPECIFICATIONS

|  |          |
|--|----------|
| Resolution                             | 14 bits  |
| Number of Channels                     | 1        |
| Sampling Rate                          | 1 MHz    |
| Acquisition Time                       | 445 ns   |
| Power Consumption                      | 1.9 W    |
| Differential Non-Linearity Error/Other | 0.5 LSB  |
| Integral Non-Linearity Error/Other     | 0.75 LSB |
| Package Type                           | DDIP     |
| Input Range 1st (min)                  | -5 V     |
| Input Range 1st (max)                  | 5 V      |
| Required Supply Voltage 1st            | 5 V      |
| Required Supply Voltage 3rd            | 15 V     |
| Required Supply Voltage 4th            | -15 V    |
| Total Harmonic Distortion              | -89 dB   |
| Signal to Noise Ratio                  | 77 dB    |

|                             |                            |
|-----------------------------|----------------------------|
| Analog Bandwidth            | 7 MHz                      |
| Operating Temp. Range (min) | 0 °C                       |
| Operating Temp. Range (max) | 70 °C                      |
| RoHS                        | No                         |
| Status                      | Recommended for new design |