

## Item # ADS-943G/883, Sampling A/D Converters

List Price

### Sampling A/D Converters

14 Bit, 3MHz (3MSPS), Sampling Analog to Digital (A/D) Converter,  $\pm 2V$  Input range,  $-55^{\circ}C$  to  $+125^{\circ}C$  temperature range, surface mount package, High Reliability Screening.



Image is for illustration purposes only

### SPECIFICATIONS

|  |                |
|--|----------------|
| Resolution                             | 14 bits        |
| Number of Channels                     | 1              |
| Sampling Rate                          | 3 MHz          |
| Power Consumption                      | 1.8 W          |
| Differential Non-Linearity Error/Other | 0.5 LSB        |
| Integral Non-Linearity Error/Other     | 0.75 LSB       |
| Package Type                           | SMT            |
| Input Range 1st (min)                  | -2 V           |
| Input Range 1st (max)                  | 2 V            |
| Required Supply Voltage 1st            | 5 V            |
| Required Supply Voltage 2nd            | -5 V           |
| Total Harmonic Distortion              | -83 dB         |
| Signal to Noise Ratio                  | 79 dB          |
| Analog Bandwidth                       | 30 MHz         |
| Operating Temp. Range (min)            | $-55^{\circ}C$ |

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temp. Range (max) | 125 °C                     |
| RoHS                        | No                         |
| Status                      | Recommended for new design |