

**Item # ADS-935MM, Sampling A/D Converters**

List Price

**Sampling A/D Converters**

16 Bit, 5MHz (5MSPS), Sampling Analog to Digital (A/D) Converter.  $\pm 2.75V$  or 0 to -5.5V Input range, -55°C to +125°C temperature range.



Image is for illustration purposes only

**SPECIFICATIONS**

|  |         |
|--|---------|
| Resolution                             | 16 bits |
| Number of Channels                     | 1       |
| Sampling Rate                          | 5 MHz   |
| Power Consumption                      | 3 W     |
| Differential Non-Linearity Error/Other | 0.5 LSB |
| Integral Non-Linearity Error/Other     | 2 LSB   |
| Package Type                           | TDIP    |
| Input Range 1st (min)                  | -2.75 V |
| Input Range 1st (max)                  | 2.75 V  |
| Input Range 2nd (min)                  | -5.5 V  |
| Input Range 2nd (max)                  | 0 V     |
| Required Supply Voltage 1st            | 5 V     |
| Required Supply Voltage 2nd            | -5 V    |
| Total Harmonic Distortion              | -84 dB  |
| Signal to Noise Ratio                  | 84 dB   |

|                             |                            |
|-----------------------------|----------------------------|
| Analog Bandwidth            | 25 MHz                     |
| Operating Temp. Range (min) | -55 °C                     |
| Operating Temp. Range (max) | 125 °C                     |
| RoHS                        | No                         |
| Status                      | Recommended for new design |