

**Part Number HDAS-8G/883-C, Multi-Channel Complete Data Acquisition**

The HDAS-16 is a complete, high-performance, 12 Bit data acq. system in a 62-pin package. Each HDAS may be expanded up to 32 single-ended or 16 diff. channels by adding external mux. -55°C to +125°C temp. range, High Rel. 883 Screening.



Image is for illustration purposes only

**Specifications**

|                                               |                            |
|-----------------------------------------------|----------------------------|
| <b>Resolution</b>                             | 12 Bit                     |
| <b>Number of Channels</b>                     | 8                          |
| <b>Sampling Rate</b>                          | 0.05 MHz                   |
| <b>Power Consumption</b>                      | 1.25 W                     |
| <b>Differential Non-Linearity Error/Other</b> | 0.75 LSB                   |
| <b>Integral Non-Linearity Error/Other</b>     | 0.75 LSB                   |
| <b>Package Type</b>                           | SMT                        |
| <b>Input Range 1st (min)</b>                  | 0.05 V                     |
| <b>Input Range 1st (max)</b>                  | 10 V                       |
| <b>Required Supply Voltage 1st</b>            | 5 V                        |
| <b>Required Supply Voltage 3rd</b>            | 15 V                       |
| <b>Required Supply Voltage 4th</b>            | -15 V                      |
| <b>Operating Temp. Range (min)</b>            | -55 °C                     |
| <b>Operating Temp. Range (max)</b>            | +125 °C                    |
| <b>RoHS</b>                                   | Yes                        |
| <b>Status</b>                                 | Recommended for new design |

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