

**Part Number ADCDS-1403, Electronic Imaging**

14 Bit, 3MPPS (Megapixels/Second), Imaging Signal Processor, Charge Coupled Device (CCD) Signal Processor, 1 LSB RMS Noise, 0°C to +70°C temperature range.



Image is for illustration purposes only

**Specifications**

|   |                            |
|---|----------------------------|
| <b>Resolution</b>                             | 14 Bit                     |
| <b>Number of Channels</b>                     | 1                          |
| <b>Sampling Rate</b>                          | 3 MHz                      |
| <b>Power Consumption</b>                      | 0.5 W                      |
| <b>Differential Non-Linearity Error/Other</b> | 0.5 LSB                    |
| <b>Signal to Noise Ratio</b>                  | 75 dB                      |
| <b>Integral Non-Linearity Error/Other</b>     | 2.5 LSB                    |
| <b>Operating Temp. Range (min)</b>            | 0 °C                       |
| <b>Operating Temp. Range (max)</b>            | +70 °C                     |
| <b>Input Range 1st (min)</b>                  | 0.35 V                     |
| <b>Input Range 1st (max)</b>                  | 2.8 V                      |
| <b>Required Supply Voltage 1st</b>            | 5 V                        |
| <b>Required Supply Voltage 2nd</b>            | -5 V                       |
| <b>Required Supply Voltage 3rd</b>            | 12 V                       |
| <b>Package Type</b>                           | TDIP                       |
| <b>RoHS</b>                                   | No                         |
| <b>Status</b>                                 | Recommended for new design |

© DATEL is a registered trademark of DATEL, Inc.