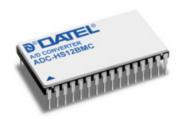
## **DATEL Innovation & Excellence**

DATEL | 120 Forbes Blvd., Suite 125 Mansfield, MA 02048 | Phone: +1-508-964-5131 | www.datel.com



## Part Number ADC-HZ12BGC, Legacy Analog-to-Digital Converters

12 Bit,  $8\mu Sec \& 20\mu Sec Analog to Digital (A/D) Converter with Programable Input. <math>\pm 2.5V$ ,  $\pm 5V$ , 0 to  $\pm 5V$ , 0 to  $\pm 10V$  Input ranges, 0°C to  $\pm 70$ °C temperature range.

Image is for illustration purposes only

## **Specifications**

Resolution	12 Bit
Number of Channels	1
Sampling Rate	0.125 MHz
Power Consumption	1.1 W
Differential Non-Linearity Error/Other	0.75 LSB
Integral Non-Linearity Error/Other	0.5 LSB
Input Range 1st (min)	0 V
Input Range 1st (max)	5 V
Input Range 2nd (min)	0 V
Input Range 2nd (max)	10 V
Input Range 3rd (min)	-2.5 V
Input Range 3rd (max)	2.5 V
Input Range 4th (min)	-5 V
Input Range 4th (max)	5 V
Input Range 5th (min)	-10 V
Input Range 5th (max)	10 V
Required Supply Voltage 1st	5 V
Required Supply Voltage 3rd	15 V
Required Supply Voltage 4th	-15 V
Operating Temp. Range (min)	0 °C
Operating Temp. Range (max)	+70 °C
RoHS	No
Status	Recommended for new design

 $\ensuremath{\text{@}}$  DATEL is a registered trademark of DATEL, Inc.