

Item # HDAS-524MM, Multi-Channel Complete Data Acquisition

List Price

Multi-Channel Complete Data Acquisition



The HDAS-524 and HDAS-528 are complete data acquisition systems. Each contains an internal multiplexer, instrumentation amplifier, sample-hold, analog-to-digital converter and three-state outputs. Packaged in miniature, 40-pin, double-dip packages, the HDAS-524/528 have a low power dissipation of 2.6 Watts. The HDAS-524 provides 4 differential inputs, and the HDAS-528 provides 8 single-ended inputs. An internal instrumentation amplifier is characterized for gains of 1, 2, 4, 8, 10 and 100. The gain range is selectable through a single external resistor.

Image is for illustration purposes only

SPECIFICATIONS

Description	12 Bit, 400kHz (400KSPS), 8 Channel-Single Ended, 4 Channel-Differential, Complete Analog to Digital (A/D) Data Acquisition System, -55°C to +125°C temperature range.
Resolution	12 bits
Number of Channels	4
Sampling Rate	0.4 MHz
Power Consumption	2.6 W
Differential Non-Linearity Error/Other	0.75 LSB
Integral Non-Linearity Error/Other	0.75 LSB
Package Type	DDIP
Input Range 1st (min)	0.1 V
Input Range 1st (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)	-55 °C
Operating Temp. Range (max)	125 °C

RoHS	No
Status	Recommended for new design