

Item # HDAS-16MM-QL, Multi-Channel Complete Data Acquisition

List Price

Multi-Channel Complete Data Acquisition



Using thin and thick-film hybrid technology, DATEL offers complete low-cost data acquisition systems with superior performance and reliability. The HDAS-8 (with 8 differential input channels) and the HDAS-16 (with 16 single-ended input channels) are complete, high-performance, 12 Bit data acquisition systems in 62-pin packages. Each HDAS may be expanded up to 32 single-ended or 16 differential channels by adding external multiplexers.

Image is for illustration purposes only

SPECIFICATIONS

Description	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 temperature range, High Reliability Screening.
Resolution	12 bits
Number of Channels	16
Sampling Rate	0.05 MHz
Power Consumption	1.25 W
Differential Non-Linearity Error/Other	0.75 LSB
Integral Non-Linearity Error/Other	0.75 LSB
Package Type	QDIP
Input Range 1st (min)	0.05 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