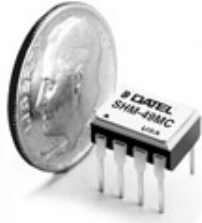


## Item # SHM-14LC-C, Sample and Hold Amplifiers

List Price



### Sample and Hold Amplifiers

DATEL's SHM-14 is a high-speed, highly accurate sample/hold designed for precision, high-speed analog signal processing applications. The SHM-14 features excellent dynamic specifications including an Analog Bandwidth of 70 MHz. The SHM-14 is accurate ( $\pm 0.5$  LSB to 14-bit over the full military temperature range) and is very fast (25ns and 35ns acquisition times to accuracies of 12 and 14 bits respectively). SHM-14 is guaranteed to operate between  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  temperature ranges.

Image is for illustration purposes only

## SPECIFICATIONS

Resolution	14 bits
Number of Channels	1
Acquisition Time	35 ns
Power Consumption	0.275 W
Package Type	CLCC
Input Range 1st (min)	-2 V
Input Range 1st (max)	2 V
Required Supply Voltage 1st	5 V
Required Supply Voltage 2nd	-5 V
Analog Bandwidth	70 MHz
Operating Temp. Range (min)	0 °C
Operating Temp. Range (max)	70 °C
RoHS	Yes
Status	Recommended for new design