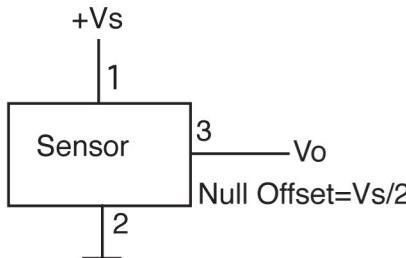


25,50,100 Ampere Ratings

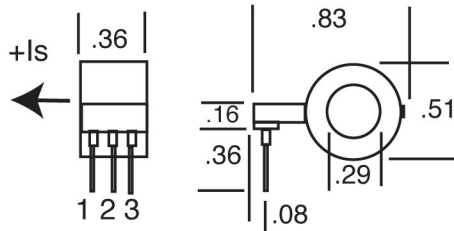
amploc.com

Hall effect linear sensors. -55C to +125C

Sensor Style	Fig.	Sensed Current (Amps peak)	Vs= +5V ΔV_o at peak rated current **	Vs= +5V Sensitivity mV/A **	
AMP25	1	25	.925V	37	
AMP50	1	50	1.14V	23	
AMP100	1	100	1.9V	19	

** proportional to Vs

Figure 1



Dimensions: Inches
Terminals: .025 sq., 0.1 spacing.
Weight: 3 grams.



AMP25 Linear to 60A.
AMP50 Linear to 90A.
AMP100 Linear to 120A.

Caution: Do not reverse supply voltage polarity.

ELECTRICAL CHARACTERISTICS

Supply voltage, Vs.....+4.5 to +10 Vdc
Supply Current..... 10mA max.
Output Current..... 2mA max.
Offset Voltage, V_o (Sensed $I = 0A$). $V_s/2 \pm 2\%$
Output Voltage, V_o is proportional to Vs.
Temperature Error
Null..... .03%/C
Gain..... .03%/C
Temperature Range..... -55C to +125C
Response Time..... 3 μ Sec.
Linearity (Full Scale)..... 1%
Accuracy (Full Scale)..... $\pm 2\%$
A.C. Hysteresis Error..... 0.5%

