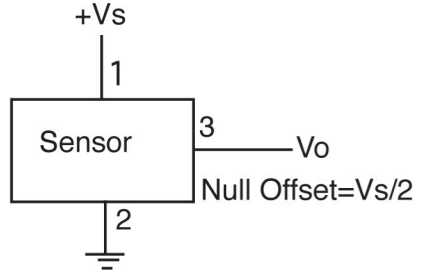


25,50,100 Ampere Ratings

amploc.com

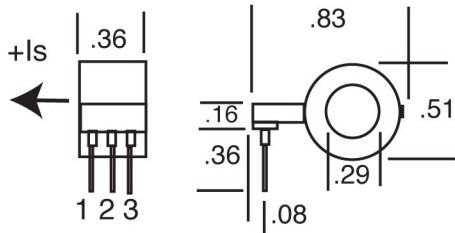
Hall effect linear sensors. -55C to +125C

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, Vo (Sensed I = 0A.). Vs/2±2%
 Output Voltage, Vo is proportional to Vs.
 Temperature Error
 Null..... .03%/C
 Gain..... .03%/C
 Temperature Range..... -55C to +125C
 Response Time..... 3µSec.
 Linearity (Full Scale)..... 1%
 Accuracy (Full Scale)..... ±2%
 A.C. Hysteresis Error..... 0.5%

