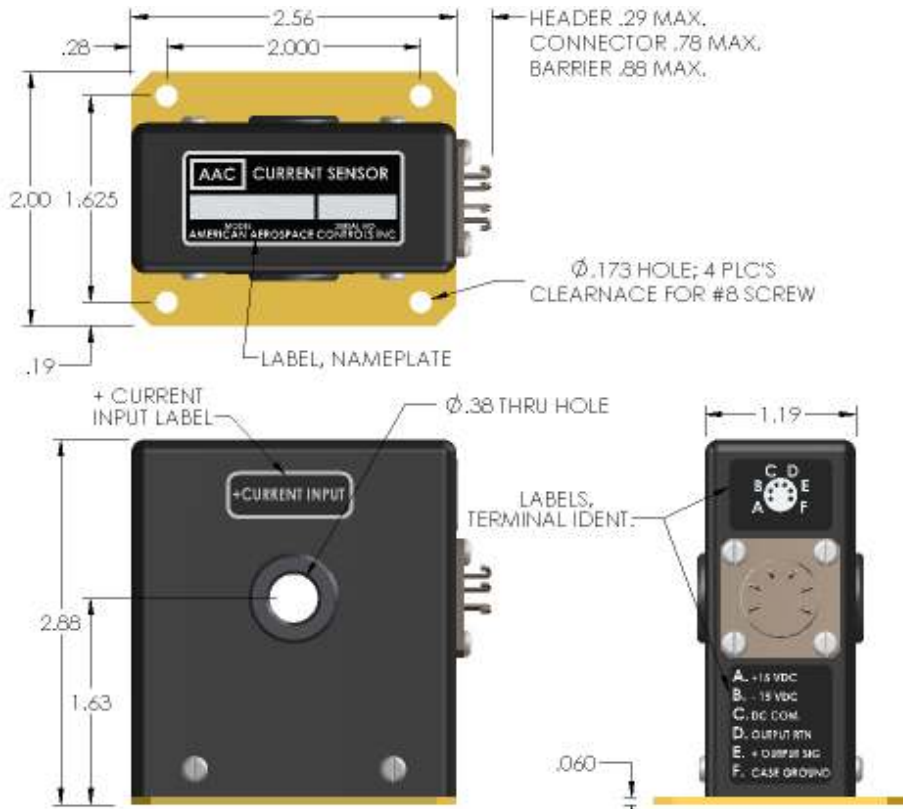


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010



**BIDIRECTIONAL CURRENT SENSOR
SERIES 905B**

<u>PART NO.</u>	<u>INPUT CURRENT RANGE</u>	<u>PART NO.</u>	<u>INPUT CURRENT RANGE</u>
905B-50.....	0 TO ±50mA	905B-1.....	0 TO ±1A
905B-100.....	0 TO ±100mA	905B-1.5.....	0 TO ±1.5A
905B-200.....	0 TO ±200mA	905B-2.....	0 TO ±2A
905B-500.....	0 TO ±500mA	905B-5.....	0 TO ±5A

OUTPUT

VOLTAGE SIGNAL	0 to ±5Vdc FS (Full Scale)
ACCURACY	±1% FS (±50mV)
RIPPLE	2% FS RMS max.
RESPONSE	50 m-sec. max. (10 to 90%)
IMPEDANCE	1000 Ohms ±5%, 5mA to 1A range 666 Ohms 1.5A range, 500 Ohms 2A range, 200 Ohms 5A range
TEMPERATURE COEFFICIENT.....	±.04% FS/°C max.

POWER SUPPLY

SUPPLY VOLTAGE	±15Vdc ±1Vdc
CURRENT DRAIN.....	±50mAdc max.

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE	-55°C to +85°C
STORAGE TEMPERATURE RANGE	-55°C to +85°C
INSULATION RESISTANCE	100 M-ohms (A thru E to case)
DIELECTRIC STRENGTH.....	350V RMS (A thru E to case)
ALTITUDE.....	Operating sea level to 60,000 ft.
VIBRATION.....	Operating 0.06 in. D.A., 10 to 55 Hz method 201 of MIL-STD-202
SHOCK	Operating 50 g, 11 m-sec half sine pulse method 213 Condition A of MIL-STD-202
MOISTURE RESISTANCE.....	Will meet method 106 of MIL-STD-202 and method 507.1 Proc. 1 of MIL-STD-810
OPERATING HUMIDITY	0% to 95% RH
ATTITUDE.....	Meets spec. for any mounting position
RIPPLE	40mV reflected onto pass-thru line
WEIGHT.....	1.25 lbs. max.

HEADER

CONNECTOR
OPTION

ADD -C TO
MODEL NO.
CONNECTOR P/N
PT02E-10-6P-(023)
OR EQUIV.

BARRIER OPTION
ADD -B TO
MODEL NO.
BARRIER DETAILS
SEE DWG. 700-701

TERMINAL IDENTIFICATION

- A. SUPPLY VOLTAGE (+)
- B. SUPPLY VOLTAGE (-)
- C. SUPPLY (RTN)
- D. OUTPUT (RTN)
- E. OUTPUT SIGNAL (+)
- F. CASE GROUND

AAC	Drawing Number 700-905B	Rev. M
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