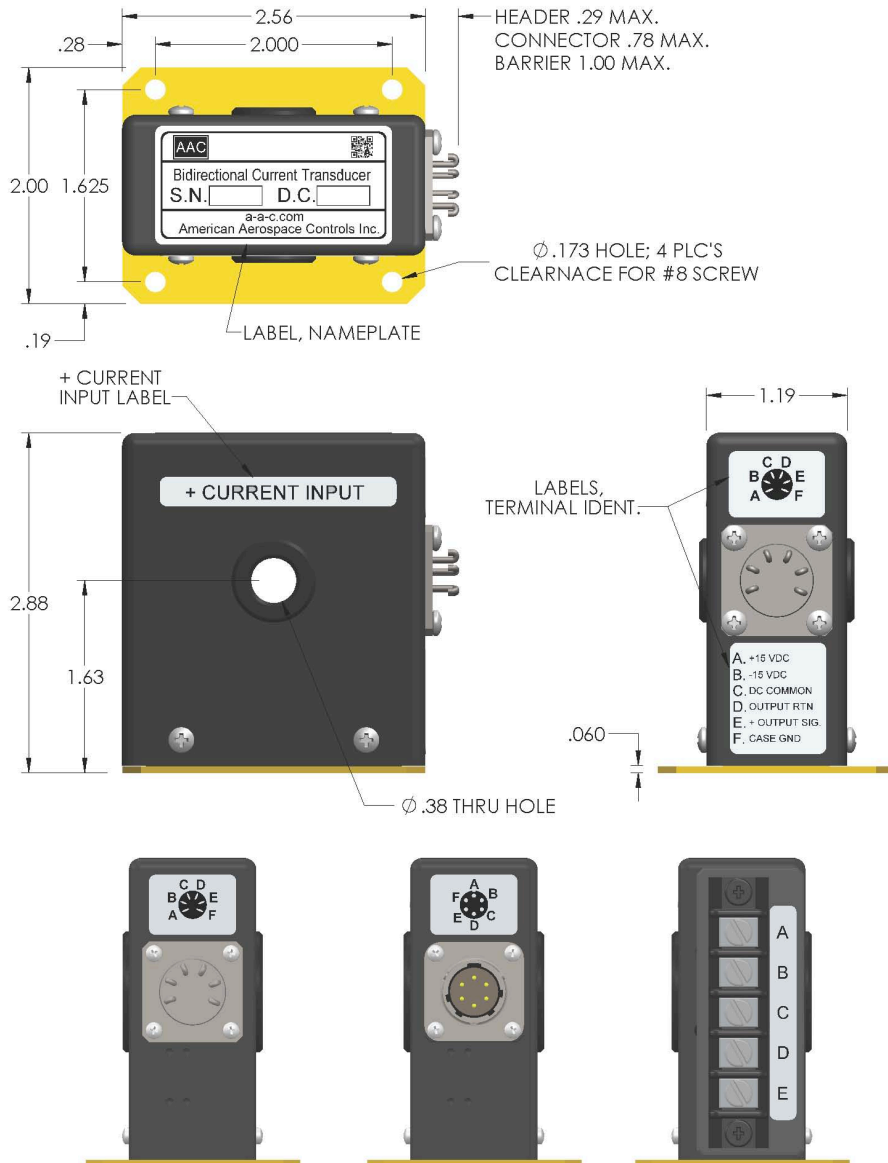


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**BIDIRECTIONAL CURRENT TRANSDUCER
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.

TERMINAL IDENTIFICATION

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

HEADER

CONNECTOR
OPTION

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

BARRIER OPTION
ADD -B TO MODEL NO.

AAC	Drawing Number .905B	Rev. N
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