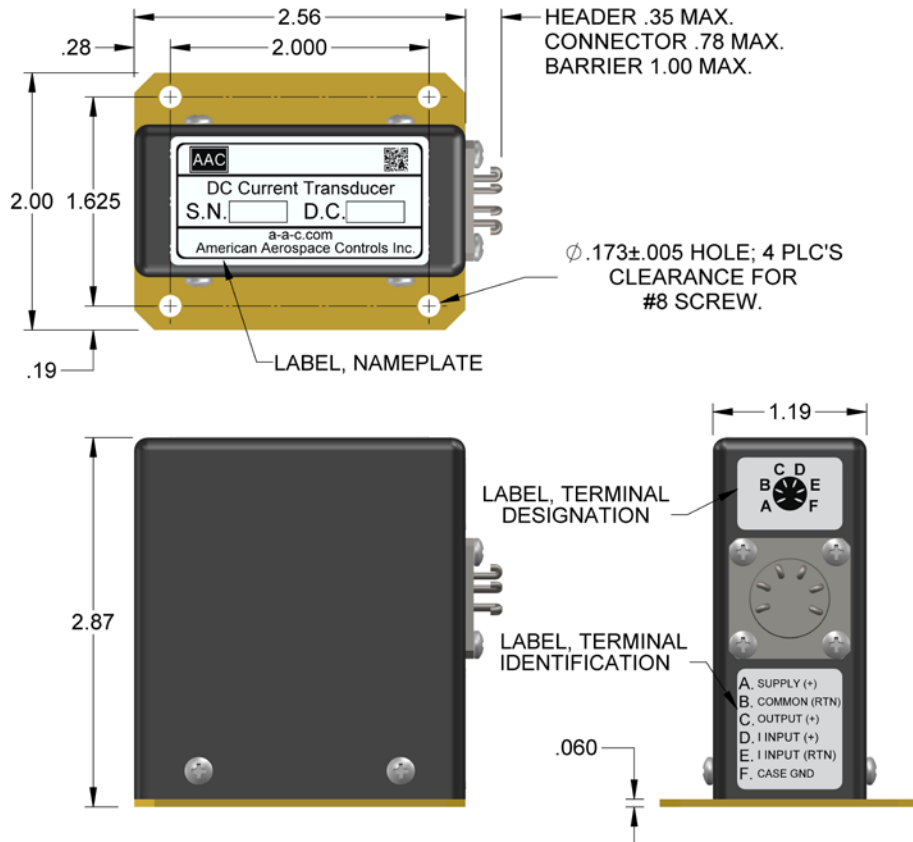


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**DC CURRENT TRANSDUCER  
SERIES 904B**



<u>PART NO.</u>	<u>CURRENT RANGE</u>	<u>PART NO.</u>	<u>CURRENT RANGE</u>
904B-L01 .....	0 TO 100uA	904B-L1 .....	0 TO 1mA
904B-L02 .....	0 TO 200uA	904B-L2 .....	0 TO 2mA
904B-L05 .....	0 TO 500uA	904B-L5 .....	0 TO 5mA

**INPUT**

CURRENT RANGES .....	See Table
INPUT RESISTANCE .....	10 Ohms max.
ISOLATION (Input to Output) .....	500Vdc max.

**OUTPUT**

VOLTAGE SIGNAL .....	0 to +5Vdc FS (Full Scale)
ACCURACY .....	±1% FS
RIPPLE .....	0.2% FS RMS
IMPEDANCE .....	50 Ohms ±5%
RESPONSE (10 to 90%) .....	50 m-sec. max.
TEMPERATURE COEFFICIENT .....	±0.04% FS/°C

**POWER SUPPLY**

SUPPLY VOLTAGE .....	+28Vdc ±4Vdc
CURRENT DRAIN .....	35mAdc max.
REVERSE POLARITY PROTECTION .....	10µA current drain without damage

**ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS**

OPERATING TEMPERATURE RANGE .....	-55°C to +85°C
STORAGE TEMPERATURE RANGE .....	-60°C to +100°C
INSULATION RESISTANCE .....	100 M-ohms (all terminals to case)
DIELECTRIC STRENGTH .....	350V RMS (all terminals 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
WEIGHT .....	1.25 lbs. Max.



**SOLDER  
HEADER**

**CONNECTOR OPTION**

ADD "-C" TO PART NO.  
CONNECTOR PART NO.  
PT023-10-6P-023  
PT02E-10-6P OR EQUIV.

MATING CONNECTOR  
PT06A-10-6S-023 OR  
PT06A-10-6S OR EQUIV.

**BARRIER OPTION**

ADD "-B" TO PART NO.  
TERMINAL "F"  
NOT SUPPLIED.

**TERMINAL IDENTIFICATION**

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

**ORDERING INFORMATION**

<b>904B</b>	<b>-</b>	<b>L1</b>	<b>-</b>	<b>C</b>
SERIES		CURRENT RANGE		TERMINATION
				Blank: Header
				B: Barrier
				C: Connector

<b>AAC</b>	<b>Drawing Number</b> <b>904B</b>	<b>Rev.</b> <b>J</b>
------------	--------------------------------------	-------------------------