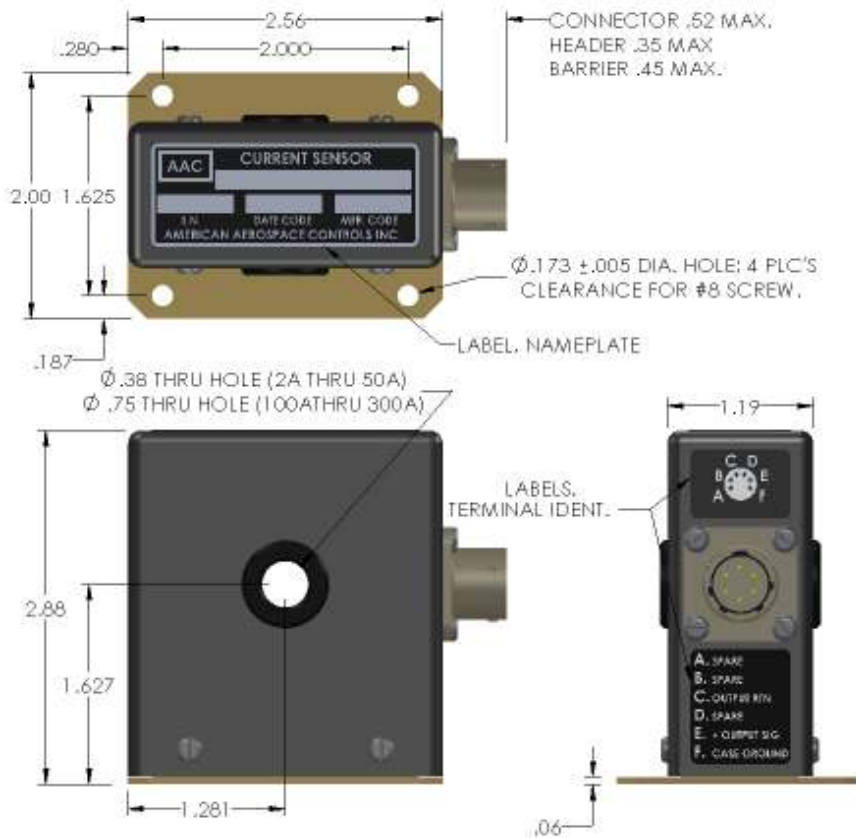


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**A.C. CURRENT SENSOR
SERIES 1004**



<u>PART NO.</u>	<u>INPUT CURRENT</u>	<u>OUTPUT IMPEDANCE</u>	<u>PART NO.</u>	<u>INPUT CURRENT</u>	<u>OUTPUT IMPEDANCE</u>
1004-2	0 TO 2	25	1004-150	0 TO 150	0.9
1004-5	0 TO 5	10	1004-200	0 TO 200	0.6
1004-10	0 TO 10	5.0	1004-250	0 TO 250	0.5
1004-20	0 TO 20	2.5	1004-300	0 TO 300	0.5
1004-50	0 TO 50	1.0	1004-350	0 TO 350	0.4
1004-100	0 TO 100	0.5	1004-400	0 TO 400	0.3

INPUT CURRENT

RANGE.....	Aac See Table
FREQUENCY.....	400Hz
FREQUENCY RANGE.....	375 to 475Hz
OVERLOAD.....	500Aac continuously

OUTPUT

VOLTAGE SIGNAL.....	0 to +5Vdc FS (Full Scale)
ACCURACY.....	± 0.5% FS (±25mV)
RESPONSE.....	150 m-sec max.
RIPPLE.....	0.4% FS RMS
TEMPERATURE COEFFICIENT.....	±0.04% FS/°C max.
OUTPUT IMPEDANCE.....	K-Ohms max. See Table
REPEATABILITY.....	±0.1% FS
OUTPUT SIGNAL @ OVERLOAD.....	11Vdc typical

POWER SUPPLY (PS)

SUPPLY VOLTAGE.....	Non, Self Excited
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ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE.....	-55° to +85°C
STORAGE TEMPERATURE RANGE.....	-60° to +100°C
INSULATION RESISTANCE.....	100M-Ohms (Terminals A thru E to case & terminal F)
DIELECTRIC STRENGTH.....	350V RMS (Terminals A thru E to case & terminal F)
ALTITUDE.....	Operating sea level to 60,000 ft.
VIBRATION.....	Operating - 0.06 in D.A., 10 to 55Hz method 201 of MIL-STD-202
SHOCK.....	Operating 50g, 11m-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.....	Unit will perform as specified when mounted in any position
WEIGHT.....	1.25 lbs. Max.

TERMINAL IDENTIFICATION

- A. SPARE
- B. SPARE
- C. OUTPUT (RTN)
- D. SPARE
- E. OUTPUT (+)
- F. CASE GROUND



SOLDER HEADER

CONNECTOR OPTION

BARRIER OPTION

ADD "C" TO PART NO. CONNECTOR PART NO. PT02E-10-6P-Q23 PT02E-10-6P OR EQUIV.
MATING CONNECTOR PT06A-10-6S-B23 OR PT06A-10-6S OR EQUIV.

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

AAC	Drawing Number 700-1004	Rev. H
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