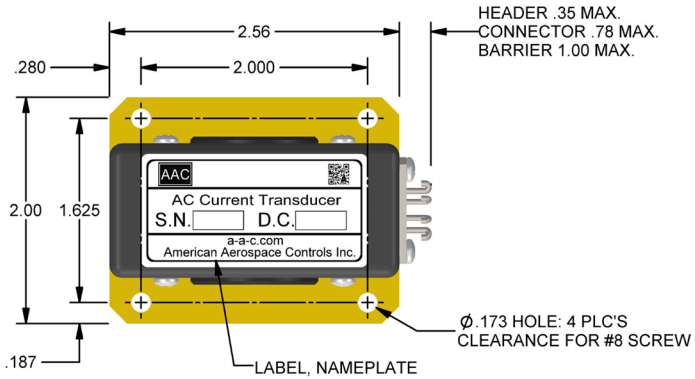
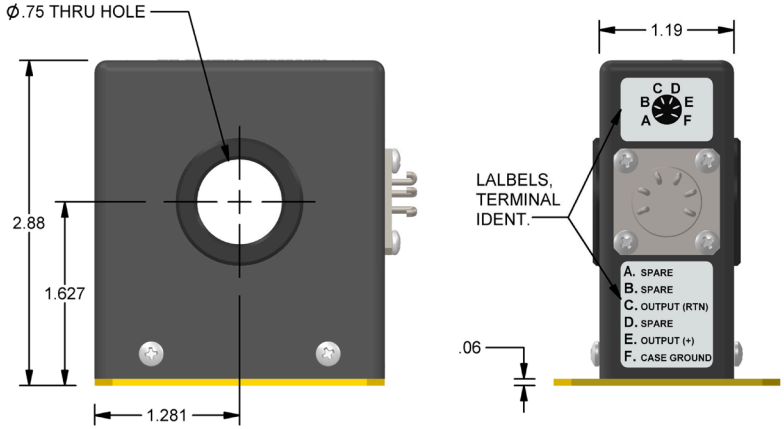
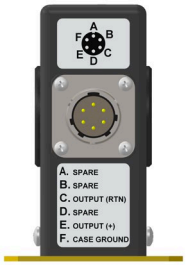
Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

A.C. CURRENT TRANSDUCER
SERIES 1004

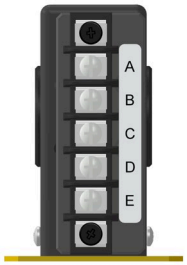






CONNECTOR OPTION

ADD "-C" TO PART NO.
CONNECTOR PART NO.
PT02E-10-6P-023 OR
PT02E10-6P OR EQUIV.
MATING CONNECTOR
PT06A-10-6S OR EQUIV



BARRIER OPTION

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

TERMINAL IDENTIFICATION

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

PART NO.	INPUT CURRENT	OUTPUT IMPEDANCE	PART NO.	INPUT CURRENT	OUTPUT IMPEDANCE
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 typ.
RIPPLE	0.2% 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	None, Self-Excited

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE	-55° to +85°C
STORAGE TEMPERATURE RANGE	-60° to +100°C
INSULATION RESISTANCE	100M-Ohms (A thru E to case & terminal F)
DIELECTRIC STRENGTH	350V RMS (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 ofMIL-STD-810
OPERATING HUMIDITY	0% to 95% RH
WEIGHT	1.25 lbs. Max.

ORDERING INFORMATION

1004 -	10 -	C -	P
SERIES	CURRENT RANGE	TERMINATION Blank: Header B: Barrier C: Connector	SPECIAL POTTING: Epoxy Encapsulated See Note

Note: When ordering Epoxy encapsulated option, unit will meet MIL-STD-810 Procedure 1, Category 12, Wo=0.095G²/Hz, Figure 514.5C-8, Overall level 12G-RMS 1 hour exposure per axis.

NOTE:
Molded terminal barrier with 6-32 terminal screws 3/8 IN. center to center spacing. Accepts wire sizes up to 14 AWG and wire lugs up to 9/32 IN.

AAC	Drawing Number	Rev.
	700-1004	L