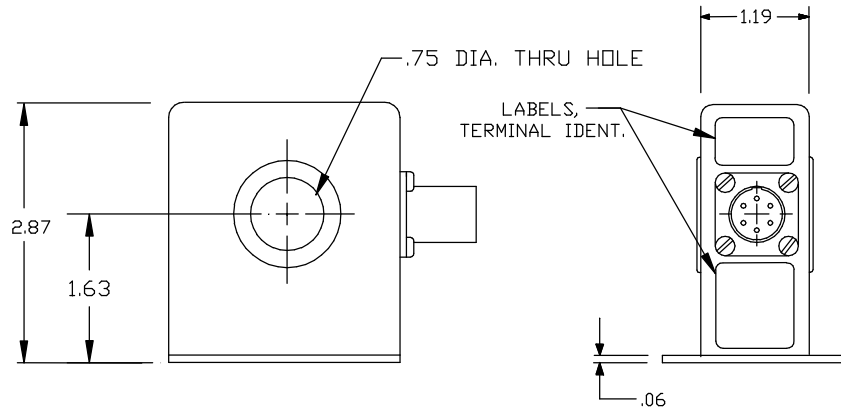
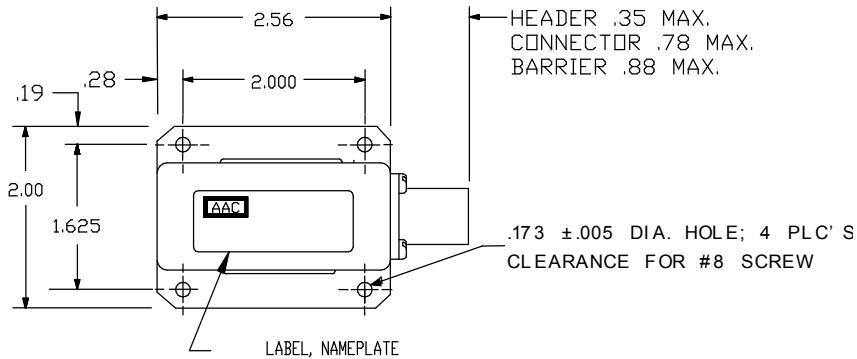


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**AC CURRENT TRANSDUCER  
SERIES 1002M1**

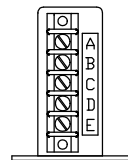


**SOLDER  
HEADER**



**CONNECTOR  
OPTION**

ADD "-C" TO  
PART NO.  
CONNECTOR P/N  
PT02E-10-6P  
OR PT02-10-6P-023  
OR EQUIV.  
MATING CONNECTOR  
PT06A-10-6S OR  
PT06A-10-6S-023



**BARRIER OPTION**

ADD "-B" TO  
PART NO.  
BARRIER DETAILS  
SEE DWG. 700-702

**TERMINAL IDENTIFICATION**

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

<u>MODEL NO.</u>	<u>INPUT CURRENT</u>	<u>MODEL NO.</u>	<u>INPUT CURRENT</u>
1002M1-250mA ...	0 to 0.25	1002M1-25 .....	0 to 25
1002M1-500mA ...	0 to 0.50	1002M1-50 .....	0 to 50
1002M1-1 .....	0 to 1	1002M1-65 .....	0 to 65
1002M1-5 .....	0 to 5	1002M1-100 .....	0 to 100
1002M1-10 .....	0 to 10	1002M1-150 .....	0 to 150
1002M1-20 .....	0 to 20	1002M1-200 .....	0 to 200
		1002M1-250 .....	0 to 250

**INPUT CURRENT**

RANGE .....	Aac See Table (ADDITIONAL RANGES AVAILABLE)
FREQUENCY .....	400 Hz (50 & 60 Hz models available)
FREQUENCY RANGE .....	375 TO 475 Hz
OVERLOAD .....	500Aac Continuously

**OUTPUT**

VOLTAGE SIGNAL .....	0 to +5Vdc FS (Full Scale)
ACCURACY .....	±0.5% FS (±25mA)
RESPONSE (10 to 90%) .....	10 m-sec max.
RIPPLE .....	10mV RMS max.
TEMPERATURE COEFFICIENT .....	±0.005% FS /°C max.
OUTPUT IMPEDANCE .....	1000Ohms ±5%
OUTPUT PROTECTION .....	Output terminals E & C will withstand ±32Vdc or short circuit continuously

**POWER SUPPLY**

SUPPLY VOLTAGE .....	28Vdc ±4Vdc
CURRENT DRAIN .....	100mA max.
OVER VOLTAGE PROTECTION .....	Terminals A & B withstand ±35Vdc without damage
REVERSE POLARITY PROTECTION .....	10uA max. current drain without damage.

**ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS**

OPERATING TEMPERATURE RANGE	-55° to +85°C
STORAGE TEMPERATURE RANGE	-55° to +125°C
DIELECTRIC STRENGTH	350V RMS (all terminals to case)
INSULATION RESISTANCE	100 M-Ohms (all terminals to case)
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, 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	Unit will perform as specified when mounted in any position
WEIGHT	1.25 lbs. Max.

<b>AAC</b>	<b>Drawing Number 700-1002M1</b>	<b>Rev. P</b>
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