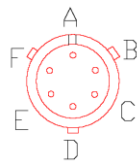
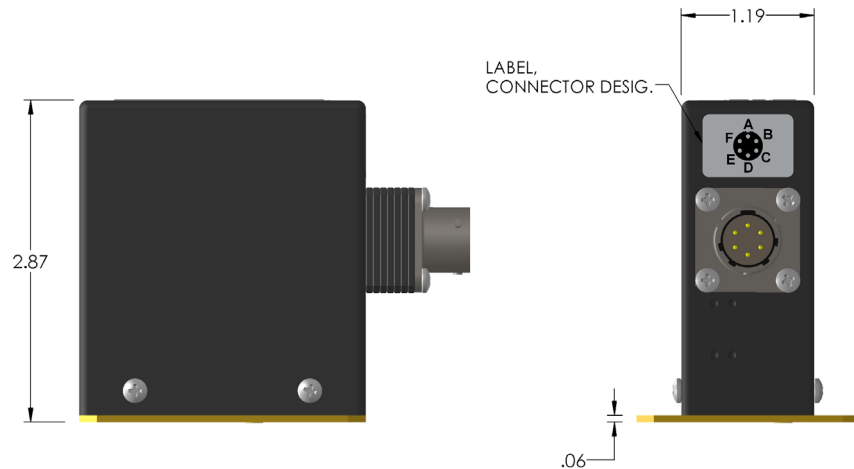
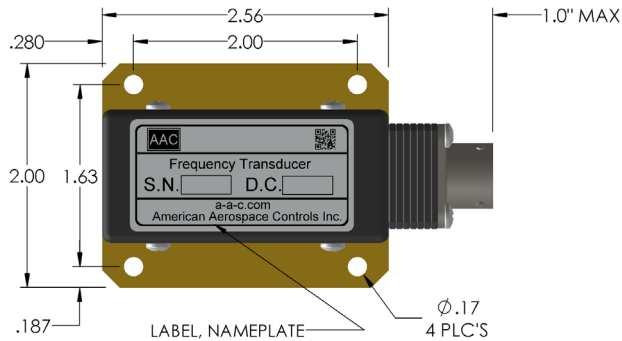


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010



**CONNECTOR**

CONNECTOR  
PT02E-10-6P-023  
OR EQUIVALENT  
MATING CONNECTOR  
PT06A-10-6S  
OR EQUIVALENT

**TERMINAL IDENTIFICATION**

- A. SUPPLY VOLTAGE (+)
- B. SUPPLY VOLTAGE (RTN)
- C. AC INPUT
- D. AC INPUT
- E. OUTPUT (+)
- F. OUTPUT (RTN)

**FREQUENCY TRANSDUCER  
SERIES S1128**

<u>PART NUMBER</u>	<u>FREQUENCY RANGE</u>	<u>PART NUMBER</u>	<u>FREQUENCY RANGE</u>
S1128-50	0 to 50	S1128-500	0 to 500
S1128-100	0 to 100	S1128-1K	0 to 1K
S1128-200	0 to 200	S1128-2K	0 to 2K
S1128-400	0 to 400	S1128-5K	0 to 5K

**INPUT**

FREQUENCY RANGE	Hz See Table
VOLTAGE INPUT	5 to 300V AC
ISOLATION	1000V RMS 60Hz for 1 minute

**OUTPUT**

VOLTAGE SIGNAL	0 to 10Vdc FS (Full Scale)
ACCURACY	±0.5% FS (±50mV)
RESPONSE (10 to 90%)	300m-sec max.
RIPPLE	10mV RMS max. @ FS
TEMPERATURE COEFFICIENT	±0.02% FS/°C max.
REPEATABILITY	± 0.1% FS
OUTPUT IMPEDANCE	10 Ohms max.
LOAD RESISTANCE	5k ohm min

**POWER SUPPLY**

SUPPLY VOLTAGE	19 to 32Vdc
SUPPLY VOLTAGE TRANSIENT	33.6Vdc for 5 sec. without damage
CURRENT DRAIN	40mA max.
PROTECTION	Reverse Polarity Protected

**ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS**

OPERATING TEMPERATURE RANGE	-40° C to +85° C
STORAGE TEMPERATURE RANGE	-55° C to +85° C
INSULATION RESISTANCE	200 M-Ohms (all terminals to case)
MOISTURE RESISTANCE	MIL-STD-202 Method 106 & MIL-STD-810 Method 507.1 Procedure 1
ALTITUDE	Operating sea level to 60,000ft
RANDOM VIBRATION	Operating MIL-STD-810F, Proc. 1, Cat 12, WO= 0.095G <sup>2</sup> /Hz, 1hr, Fig 514.5C-8, 12g-rms
SHOCK	Non-Operating - 50g, 11 m-sec half sine pulse (Method 213 Condition A of MIL-STD-202)
DIELECTRIC STRENGTH	1000V RMS
FINISH (color black)	Polyester powder coat, Base plate is conductive
WEIGHT	14 oz. max

<b>AAC</b>	<b>Drawing Number</b> S1128	<b>Rev.</b> B
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