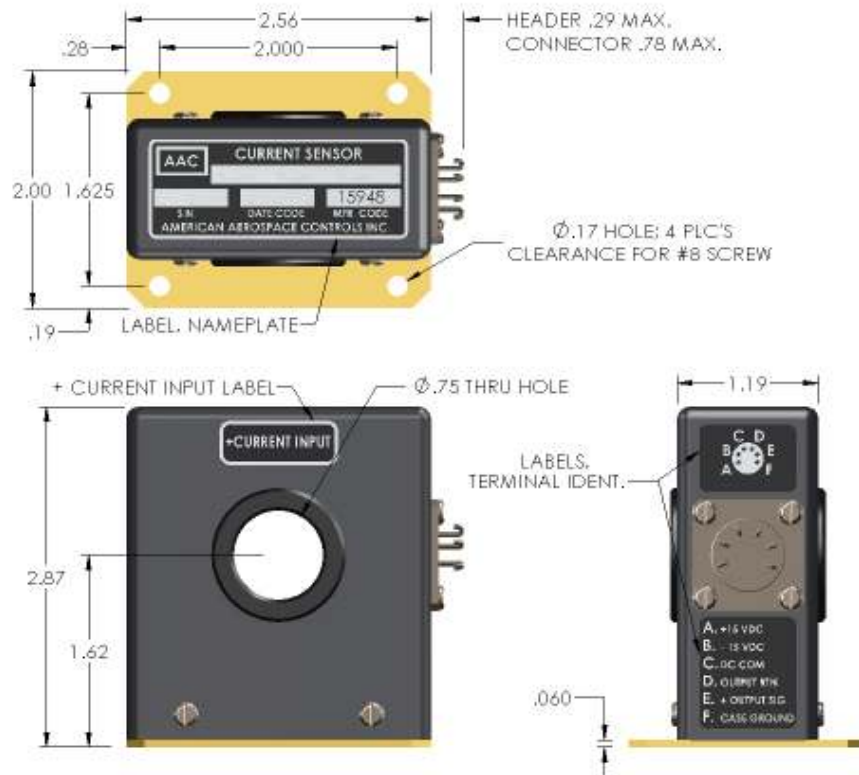


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**BIDIRECTIONAL CURRENT TRANSDUCER
SERIES S661B**



TERMINAL IDENTIFICATION

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

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

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

PART NUMBER	CURRENT RANGE	PART NUMBER	CURRENT RANGE
S661B-100.....	0 to 100mA	S661B-400.....	0 to 400mA
S661B-200.....	0 to 200mA	S661B-500.....	0 to 500mA
S661B-250.....	0 to 250mA	S661B-750.....	0 to 750mA
S661B-300.....	0 to 300mA	S661B-1A.....	0 to 1A

INPUT POWER

RANGE NOMINAL	See Table mAdc or Ac peak
OVERLOAD	0 to ±25 Adc
VOLTAGE	1000 Vrms
FREQUENCY RANGE	DC to 60Hz

OUTPUT

VOLTAGE SIGNAL	0 to ±5Vdc or Ac peak
ACCURACY	±1% Full Scale
TEMPERATURE COEFFICIENT	±0.02% FS/°C max.
OUTPUT IMPEDANCE.....	250 Ohms max.
RESPONSE TIME (10 TO 90%).....	1 Msec. max.
SHORT CIRCUIT	Protected
RIPPLE	1% FS RMS

POWER SUPPLY

SUPPLY VOLTAGE	±15Vdc (±0.5Vdc)
CURRENT DRAIN.....	50mA
PROTECTION.....	Reverse Polarity Protected

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE.....	-40 to +85°C
STORAGE TEMPERATURE	-50 to +85 °C
OPERATING HUMIDITY	0 to 95% RH Operating
MOISTURE RESISTANCE.....	Will meet method 106 of Mil-Std-202, Method 507.3 procedure 1 of Mil-Std-810.
SALT FOG.....	Mil-Std-202, Method 101, 5% salt solution
FUNGUS	Mil-Std-810, Table 508.4
ALTITUDE.....	Operating Sea Level to 60,000 Ft.
SHOCK	Operating 50g, 11 m-sec half sine pulse Method 213B condition A of Mil-std-202
VIBRATION	Operating 0.06 inch D.A. 10Hz to 55Hz Method 201A and Random Method 214A Test Condition 1 Level D, 3 Min. Per Axis, 11.95 Overall RMS G, Per Mil-Std-202.
ATTITUDE.....	Performs in any position
WEIGHT.....	0.95 lbs. Max.
ESD RATING	2000V

AAC	Drawing Number 700-S661B-905	Rev. C
------------	---	-------------------