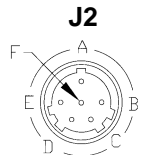
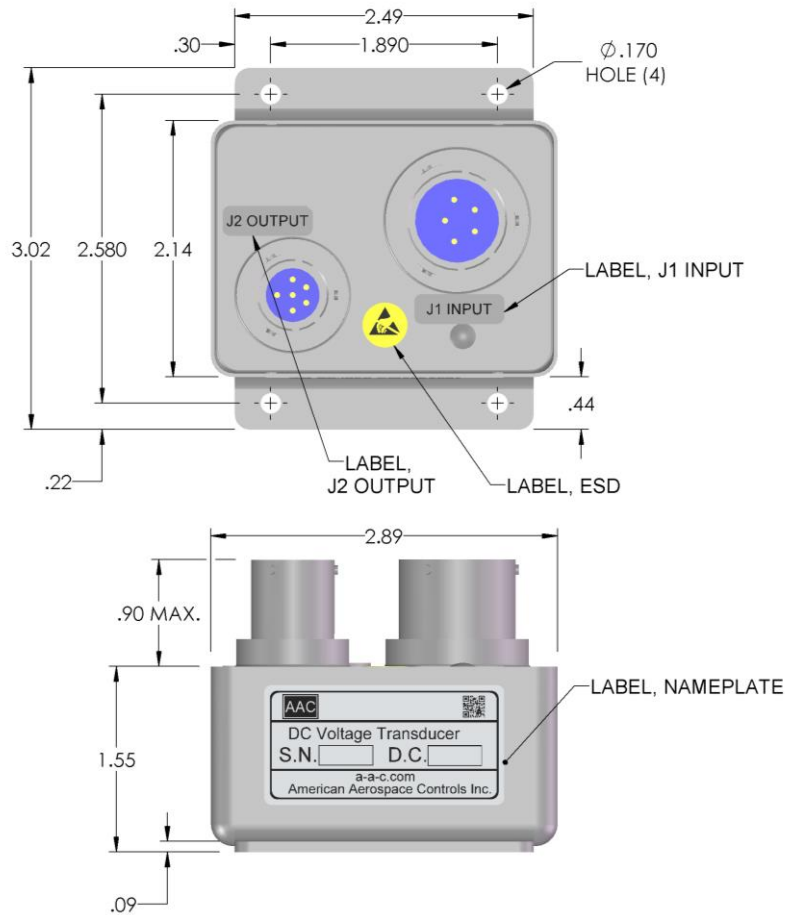


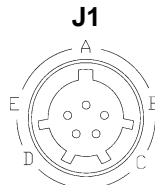
Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010



CONNECTOR P/N  
MS27471Y11D98P  
MATING CONNECTOR  
MS27467T11E98S

**TERMINAL IDENTIFICATION**

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



CONNECTOR P/N  
MS27471Y15D5P  
MATING CONNECTOR  
MS27467T15E5S

**TERMINAL IDENTIFICATION**

- A. INPUT VOLTAGE (+)
- B. INPUT VOLTAGE (RTN)
- C. SPARE
- D. SPARE
- E. SPARE

**VOLTAGE TRANSDUCER  
SERIES S1150**

PART NUMBER	VOLTAGE RANGE	INPUT CLASSIFICATION	CURRENT SIGNAL
S1150-300	0 to ±300Vdc	BIDIRECTIONAL	4 TO 12 TO 20mAdc
S1150-400	0 to ±400Vdc	BIDIRECTIONAL	4 TO 12 TO 20mAdc

**INPUT**

VOLTAGE RANGE	See Table
OVERLOAD CONTINUOUS	600Vdc
OVERLOAD TRANSIENT	3Kvdc FOR 100µ-sec
ISOLATION	2.5Kv RMS 60Hz For 1 min.
BURDEN @ FULL SCALE	500µA typ

**OUTPUT**

CURRENT SIGNAL	Zero input voltage = 12mA output Plus full scale input voltage = 20mA output Minus full scale input voltage = 4mA output
ACCURACY	±0.5% FS(±0.1mA max.) ±1% over temp. range
RESPONSE (10 to 90%)	5m-sec. max.
LOAD RESISTANCE	250 Ohms nominal
LOAD RESISTANCE RANGE	0 to 300 Ohms
CURRENT SIGNAL @ OVERLOAD	24mAdc typ.
ISOLATION MODE REJECTION RATIO	>85db @ 60Hz

**POWER SUPPLY**

SUPPLY VOLTAGE (Reverse polarity Protected)	+19 to 32Vdc
CURRENT DRAIN	24mA max.
TRANSIENT (With 250Ω Source Impedance)	60Vdc 5 sec. 100Vdc 1m-sec.

**ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS**

OPERATING TEMPERATURE	-40° to +85°C
STORAGE TEMPERATURE	-55° to +85°C
OPERATING HUMIDITY	0% to 95% RH
MOISTURE RESISTANCE	Will meet Method 106 of MIL-STD-202 & Method 507.1, Proc. 1 of MIL-STD-810
ALTITUDE	Operating to 70,000 (Method 105, Condition A of MIL-STD-202)
SHOCK	Operating - 50g, 11 m-sec half sine pulse (Method 213 Condition A of MIL-STD-202)
RANDOM VIBRATION	Operating MIL-STD-810E Cat.5, Proc.1, WO=0.54G <sup>2</sup> /HZ, Duration 2 hr., Figure 514.4-8 Suggested Vibration Levels for High Performance Aircraft 25.0G-RMS Min.
DIELECTRIC STRENGTH	400Vdc All Terminals to Case
INSULATION RESISTANCE	100 M-Ohms Min @ 500V
FINISH	Fuse Tin Plate
ALTITUDE	Unit will perform as specified when mounted in any position
WEIGHT	15oz. max.

<b>AAC</b>	<b>Drawing Number S1150</b>	<b>Rev. B</b>
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