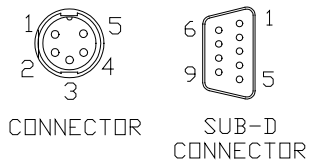
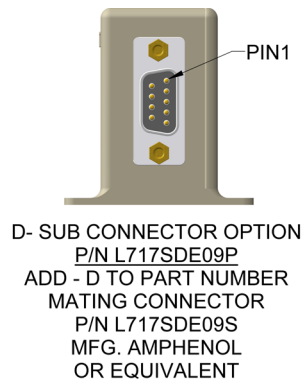
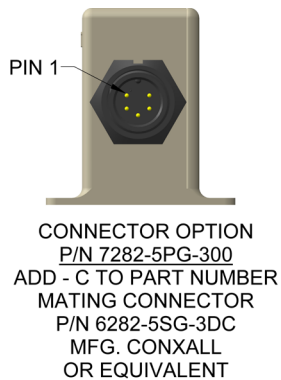
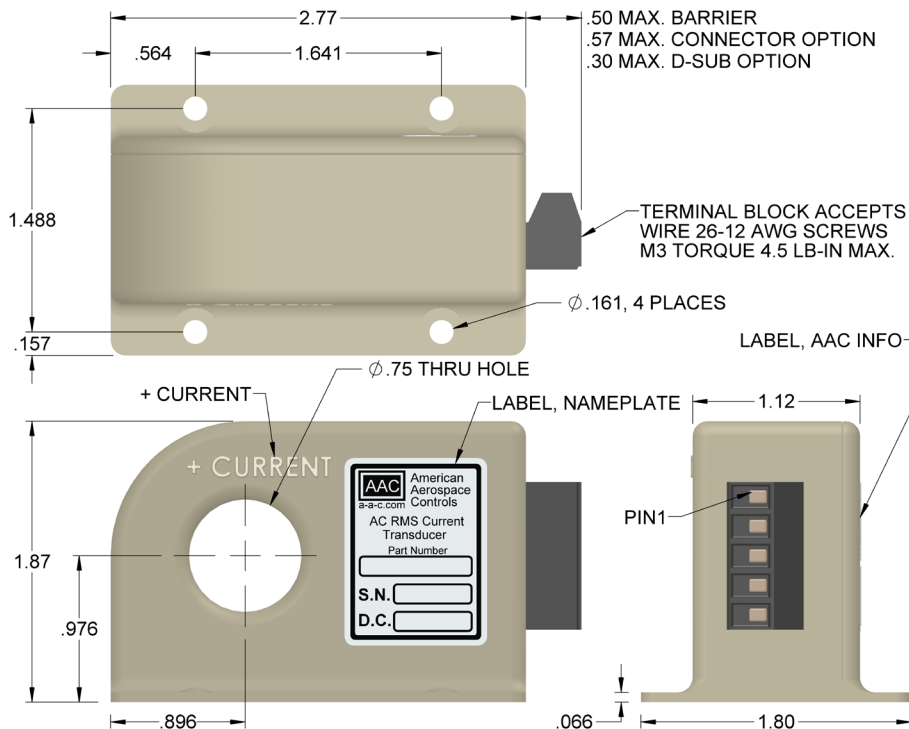


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010



TERMINAL IDENTIFICATION

1. SUPPLY (+)
2. SUPPLY (RTN)
3. OUTPUT (RTN)
4. OUTPUT SIGNAL (+)
- 5-9. SPARE

AC RMS CURRENT TRANSDUCER SERIES 1080

PART NUMBER	CURRENT RANGE	PART NUMBER	CURRENT RANGE
1080-2	0 to 2	1080-40	0 to 40
1080-5	0 to 5	1080-50	0 to 50
1080-10	0 to 10	1080-75	0 to 75
1080-15	0 to 15	1080-100	0 to 100
1080-20	0 to 20	1080-150	0 to 150
1080-25	0 to 25	1080-200	0 to 200
1080-30	0 to 30	1080-250	0 to 250

INPUT

RANGE	Amps ac RMS (see table)
OVERLOAD	500Aac
FREQUENCY RANGE	47 to 63Hz
CREST FACTORS	Up to 5

OUTPUT

VOLTAGE SIGNAL	0 to 5Vdc FS
ACCURACY (Over the Temperature Range)	±0.25% FS max. (± 12.5mV) note 1
RIPPLE	0.2% max. (10mV RMS)
RESPONSE (10 to 90%)	150m-sec max..
OUTPUT IMPEDANCE	10 Ohms max.
LOAD RESISTANCE	10K Ohms min.
CAPACITANCE LOAD	0.1UF max.
VOLTAGE SIGNAL @ OVERLOAD	6Vdc typ.
OUTPUT PROTECTION	Short circuit

POWER SUPPLY

SUPPLY VOLTAGE	+10 to 32Vdc
CURRENT DRAIN	2mA max.
TRANSIENT PROTECTION	±40V (T<5mS)

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE	-40° to +85°C
STORAGE TEMPERATURE RANGE	-55° to +85°C
HUMIDITY (Operating)	0% to 95%RH
MOISTURE RESISTANCE	MIL-STD-202 Method 106 (note 2)
RANDOM VIBRATION (Operating)	MIL-STD-810F, Proc.1,Cat.12, WO=.095G ² /Hz, Time1 hr, Fig. 514.5C-8 Overall level 12.G- RMS
SHOCK	50g 11m-sec. half sine pulse
ISOLATION	Input to output 5KV rms 60Hz/1min.
INSULATION RESISTANCE	500 M-Ohms @ 500Vdc
CASE MATERIAL	Molded Plastic meets UL flammability rating 94V-O (color light gray)
WEIGHT	6 oz. Max.

NOTE 1: Specified accuracy includes the combined worst case effects of Zero Offset, Temperature, Hysteresis, Supply Swings and Current Cable Positioning.

NOTE 2: Meets Specified Moisture requirements with option C & D only.

AAC

Drawing Number
700-1080

Rev.
D