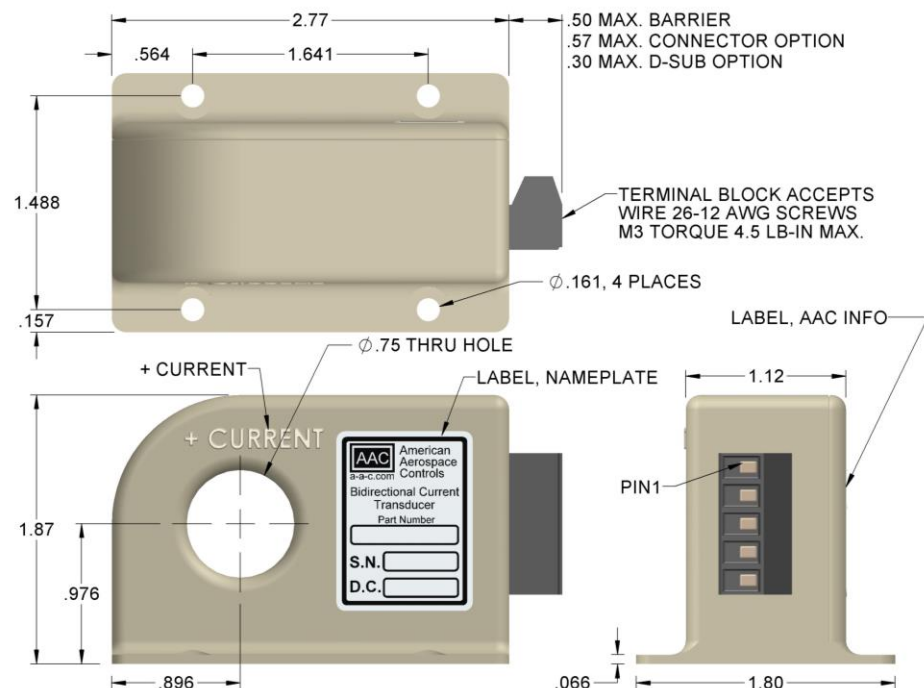


BIDIRECTIONAL CURRENT TRANSDUCER SERIES 929A



PART NUMBER	CURRENT RANGE	PART NUMBER	CURRENT RANGE
929A-10	0 to ±10	929A-30	0 to ±30
929A-15	0 to ±15	929A-35	0 to ±35
929A-20	0 to ±20	929A-40	0 to ±40
929A-25	0 to ±25	929A-50	0 to ±50

INPUT

RANGE	See Table Adc or AC Peak
OVERLOAD CONTINUOUS	±5000Adc
FREQUENCY RANGE	DC to 350KHz

OUTPUT

VOLTAGE SIGNAL	0 to ±5Vdc FS
ACCURACY (Over Temperature Range)	±1% FS, (note 1)
RESPONSE (10 to 90%)	1 u-sec. max.
OUTPUT IMPEDANCE	500 Ohms
LOAD RESISTANCE	100k Ohms typ
OUTPUT PROTECTION	Short Circuit

POWER SUPPLY

SUPPLY VOLTAGE	+14Vdc to +34Vdc
CURRENT DRAIN	50mAdc max.
PROTECTION	Reverse polarity protected
TRANSIENT PROTECTION	±60V (T<5mS)

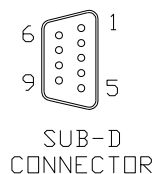
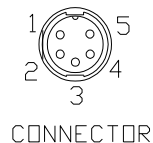
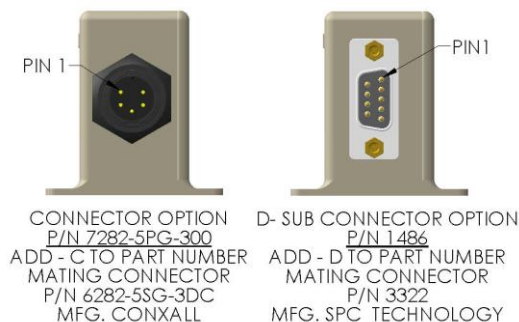
ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE	-40° to +85°C
STORAGE TEMPERATURE RANGE	-55° to +125°C
HUMIDITY (Operating)	0% to 95%RH
MOISTURE RESISTANCE	MIL-STD-202 Method 106 (note 2)
ALTITUDE	Operating sea level to 60,000 ft.
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	CM9004G-30 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.

NOTE 3: Recommended mounting hardware; #6 screw, #6 split lock washer and #6 flat washer. Torque Maximum 10 in-lb.



TERMINAL IDENTIFICATION

- SUPPLY VOLTAGE (+)
- SUPPLY (RTN)
- OUTPUT (RTN)
- OUTPUT SIGNAL (+)
- 5-9. SPARE

AAC

Drawing Number
700-929A

Rev.
D