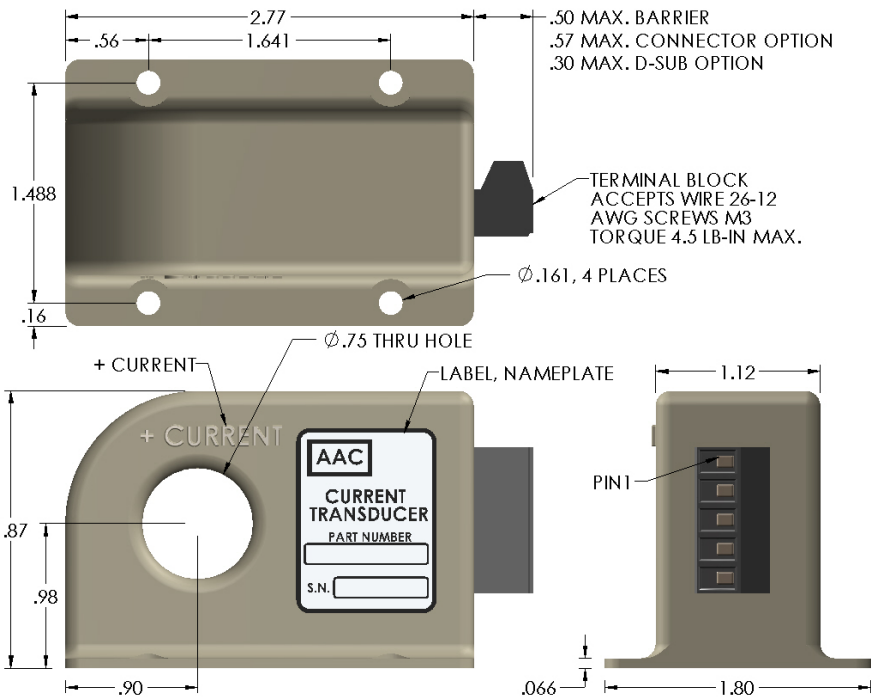


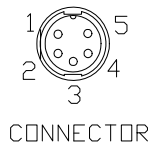
Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

## BIDIRECTIONAL CURRENT TRANSDUCER SERIES 929

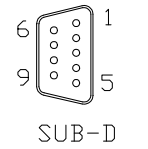


**CONNECTOR OPTION**  
P/N 7282-5PG-300  
ADD - C TO PART NUMBER  
MATING CONNECTOR  
P/N 6282-5SG-311  
MFG. CONXALL

**D- SUB CONNECTOR OPTION**  
P/N 1486  
ADD - D TO PART NUMBER  
MATING CONNECTOR  
P/N 3322  
MFG. SPC TECHNOLOGY



CONNECTOR



SUB-D  
CONNECTOR

### TERMINAL IDENTIFICATION

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

PART NUMBER	CURRENT RANGE	PART NUMBER	CURRENT RANGE
929-50	0 to ±50	929-200	0 to ±200
929-75	0 to ±75	929-250	0 to ±250
929-100	0 to ±100	929-300	0 to ±300
929-150	0 to ±150	929-400	0 to ±400

### 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, ±2% FS for 50 & 75A Range (note 1)
RESPONSE (10 to 90%)	1 u-sec. max.
OUTPUT IMPEDANCE	25 Ohms
LOAD RESISTANCE	5k Ohms min
OUTPUT PROTECTION	Short Circuit

### POWER SUPPLY

SUPPLY VOLTAGE	+10Vdc to +34Vdc
CURRENT DRAIN	8mAdc 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)
RANDOM VIBRATION (Operating)	MIL-STD-810F, Proc.1,Cat.12, WO=.095G <sup>2</sup> /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.

**AAC**

**Drawing Number**  
**700-929**

**Rev.**  
**M**