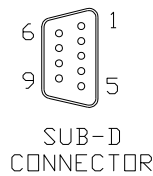
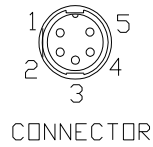
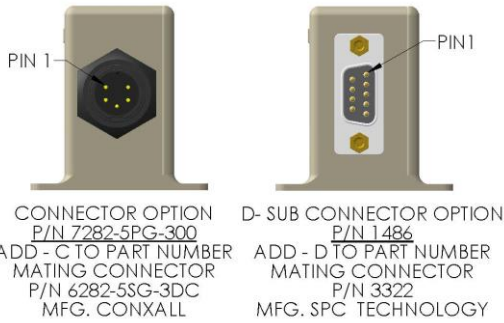
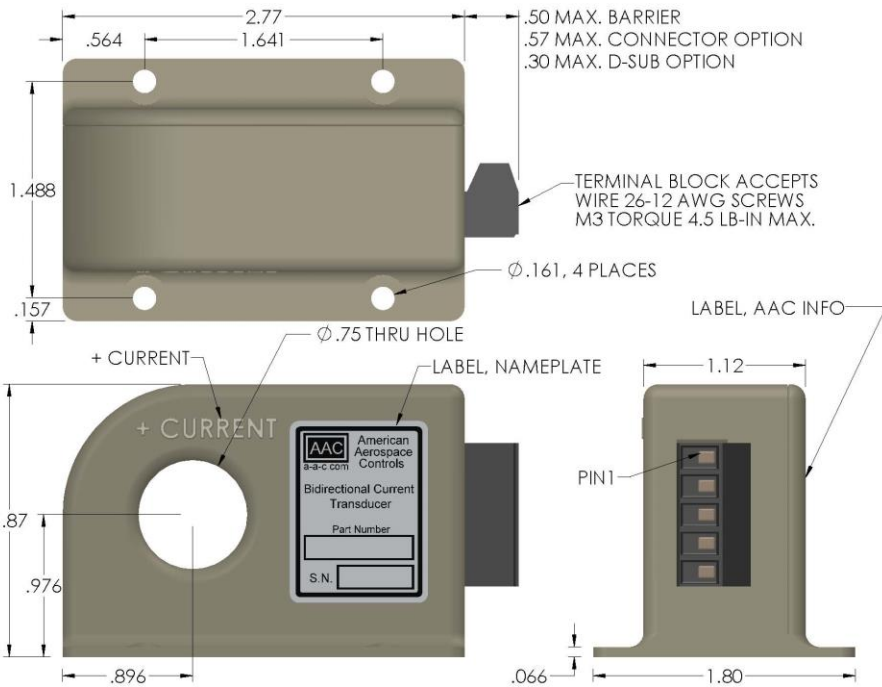


**BIDIRECTIONAL CURRENT TRANSDUCER
SERIES 929A**



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 |
|-------------|---------------|-------------|---------------|
| 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 | 30mAdc 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.

| | | |
|------------|-------------------------------|------------------|
| AAC | Drawing Number 929A | Rev. B |
|------------|-------------------------------|------------------|