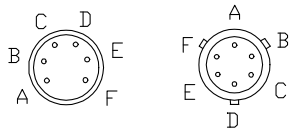
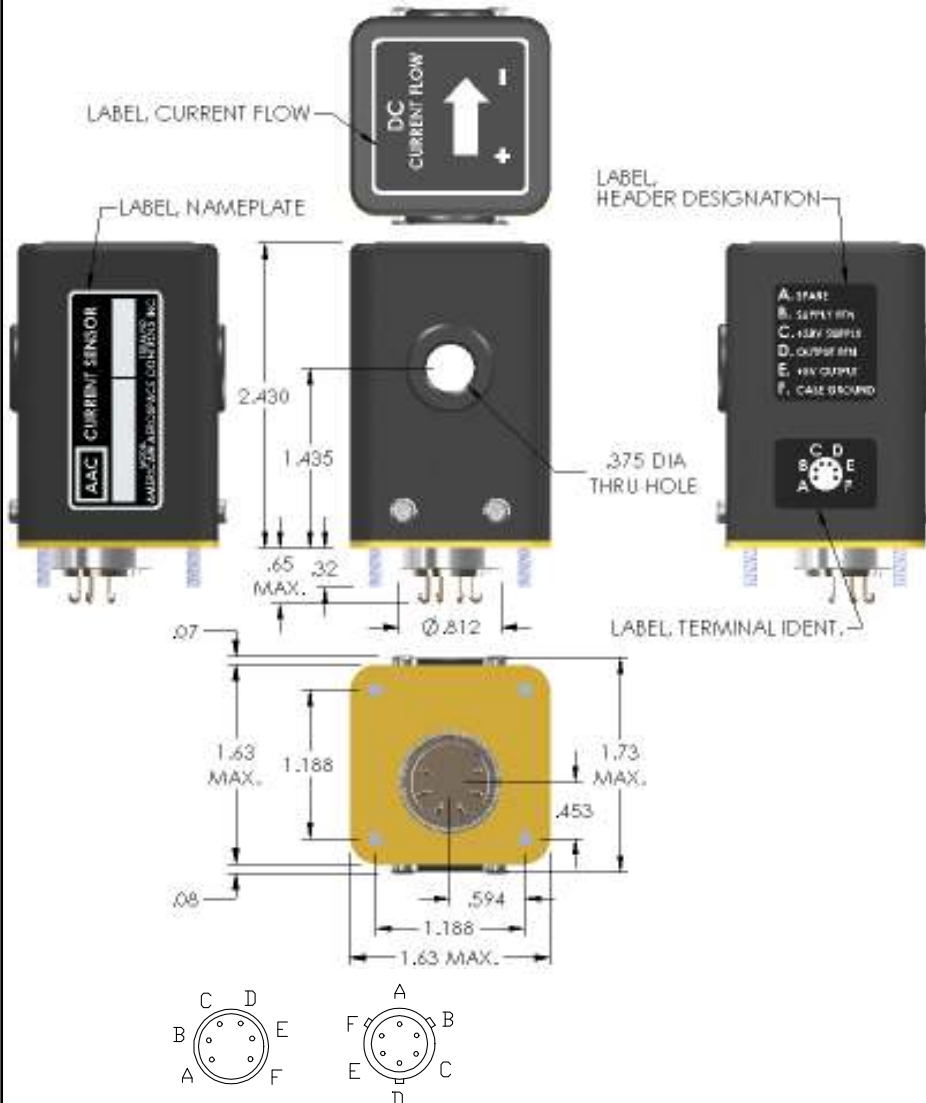


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**DC CURRENT TRANSDUCER  
SERIES 913A**



**SOLDER  
HEADER**  
  
**CONNECTOR  
OPTION**  
ADD "-C" TO  
PART NO.  
CONNECTOR P/N  
MS3112E-10-6P  
OR EQUIV.  
MATING CONNECTOR  
MS3116F-10-6S

**TERMINAL IDENTIFICATION**  
A. SPARE  
B. SUPPLY VOLTAGE (RTN)  
C. SUPPLY VOLTAGE (+)  
D. OUTPUT SIGNAL (RTN)  
E. OUTPUT SIGNAL (+)  
F. CASE GROUND  
TERMINALS B & D ARE COMMON

<u>PART NO.</u>	<u>INPUT CURRENT</u>	<u>PART NO.</u>	<u>INPUT CURRENT</u>
913A-10.....	0 to 10A	913A-40.....	0 to 40A
913A-20.....	0 to 20A	913A-50.....	0 to 50A
913A-25.....	0 to 25A	913A-75.....	0 to 75A
913A-30.....	0 to 30A	913A-100.....	0 to 100A

**INPUT**  
RANGE ..... See Table  
OVER CURRENT (UNLIMITED)..... Nondestructive/nonlatching Saturated Output

**OUTPUT**  
VOLTAGE SIGNAL ..... 0 to +5Vdc FS (Full Scale)  
ACCURACY ..... ±1% FS  
RESPONSE(10 TO 90%) ..... 1 m-sec max.  
IMPEDANCE ..... 100Ω for 10A to 50A ranges  
1000Ω for 75A to 100A ranges  
RIPPLE ..... 10mV RMS max.  
TEMPERATURE COEFFICIENT ..... ±0.02% FS/°C max. for 10A & 50A RANGES  
±0.04% for 75A & 100A ranges  
OUTPUT PROTECTION ..... Terminals D & E will withstand +32Vdc or short circuit

**POWER SUPPLY**  
SUPPLY VOLTAGE ..... +28Vdc ±4Vdc  
CURRENT DRAIN ..... 75mA max.  
REVERSE POLARITY PROTECTION..... 10μA max. current drain without damage

**ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS**  
OPERATING TEMPERATURE RANGE ..... -55°C to +85°C  
STORAGE TEMPERATURE RANGE ..... -55°C to +100°C  
DIELECTRIC STRENGTH..... 350V RMS MIL-STD-202 Method 301  
INSULATION RESISTANCE ..... 200M-Ohms min. MIL-STD-202 Method 302  
Test Condition A  
ALTITUDE ..... Operating sea level to 100,000 ft. MIL-STD-202, Method 105, Condition D  
VIBRATION ..... Operating 0.06 in D.A., 10Hz to 55Hz MIL-STD-202, Method 201  
SHOCK ..... Operating 50g 11 m-sec MIL-STD-202, Method 213, Condition A  
MOISTURE RESISTANCE ..... MIL-STD-202, Method 106  
OPERATING HUMIDITY ..... 0 to 95% RH  
ATTITUDE ..... Meets specification for any mounting position  
WEIGHT ..... 9 oz. max.

<b>AAC</b>	<b>Drawing Number 700-913A</b>	<b>Rev. V</b>
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