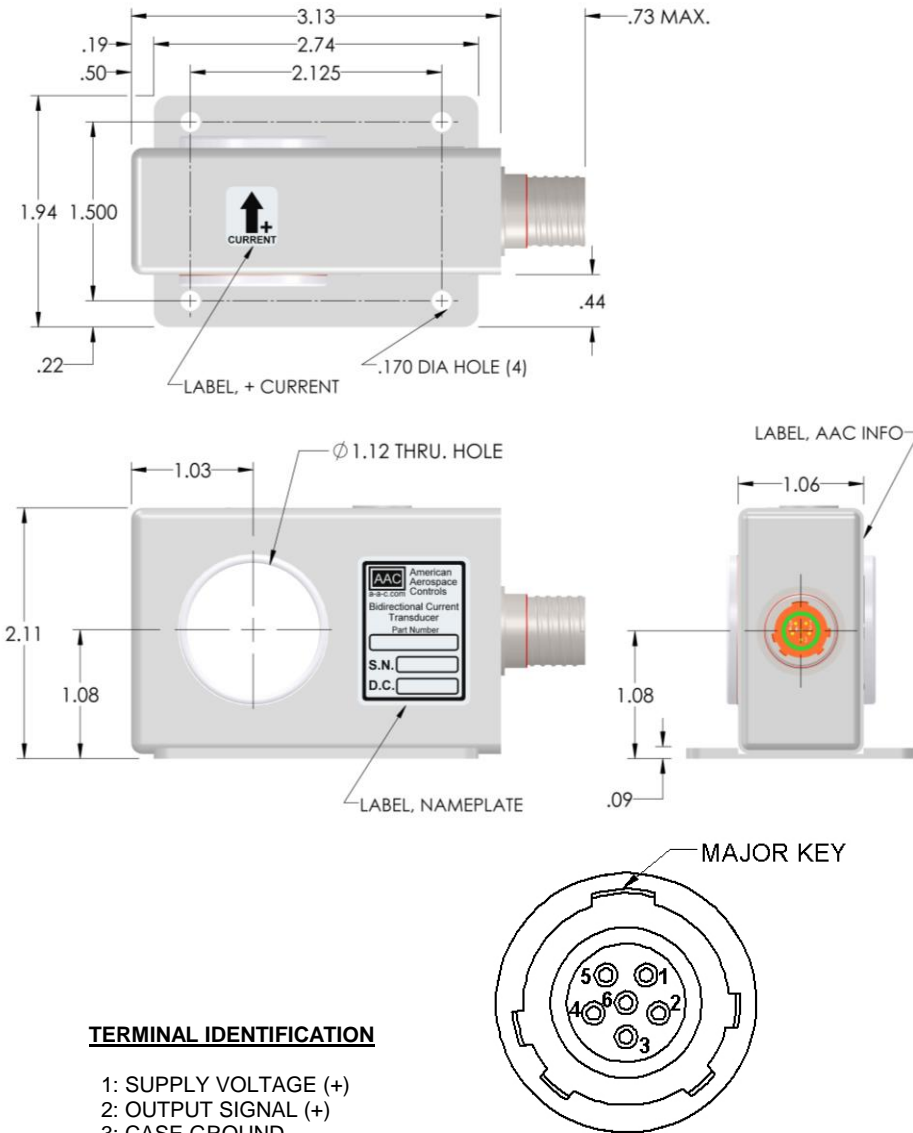


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**BIDIRECTIONAL CURRENT TRANSDUCER
SERIES S1149**



PART NUMBER	INPUT CURRENT RANGE	TEMPERATURE COEFFICIENT
S1149-600.....	0 to ±600Adc	±0.02%FS/°C

INPUT CURRENT

FREQUENCY.....	DC to 1kHz
OVERLOAD CONTINUOUS.....	10KAdc

OUTPUT SIGNAL

CURRENT SIGNAL.....	4 to 12 to 20mA FS (Full Scale)
.....	Zero input current (12mA)
.....	Plus Full Scale input (20mA)
.....	Minus Full Scale input (4mA)
ACCURACY.....	0.5%FS
RESPONSE TIME (10 TO 90%).....	500 u-sec. max.
RECOMMENDED OUTPUT LOAD.....	0 to 300 Ohms
OUTPUT LOADING.....	0 Ohm to open CKT without damage

POWER SUPPLY

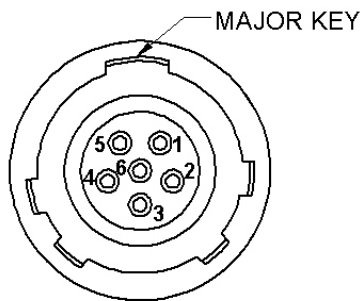
SUPPLY VOLTAGE RANGE.....	+16Vdc to +40Vdc
CURRENT DRAIN.....	35mA max.
REVERSE POLARITY PROTECTION..	100µA max. Current drain without damage

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE.....	-40 to +85°C
STORAGE TEMPERATURE.....	-40 to +100°C
OPERATING HUMIDITY.....	0% to 95% RH
MOISTURE RESISTANCE.....	Will meet Method 106 of MIL-STD-202 & Method 507.1, Proc. 1 of MIL-STD-810
ALTITUDE.....	Operating to 70,000 (Method 105, Condition A of MIL-STD-202)
SHOCK.....	Operating - 50g, 11 m-sec half sine pulse (Method 213 Condition A of MIL-STD-202)
RANDOM VIBRATION.....	Operating MIL-STD-810E Cat.5, Proc.1, WO=0.54G ² /HZ, Duration 2 hr., Figure 514.4-8 Suggested Vibration Levels for High Performance Aircraft 25.0G-RMS Min.
DIELECTRIC STRENGTH.....	400Vdc Terminals 1-2 to Case
INSULATION RESISTANCE.....	100 M-Ohms Min.
FINISH.....	Fuse Tin Plate
ALTITUDE.....	Unit will perform as specified when mounted in any position
WEIGHT.....	12oz. max.

TERMINAL IDENTIFICATION

- 1: SUPPLY VOLTAGE (+)
- 2: OUTPUT SIGNAL (+)
- 3: CASE GROUND
- 4: SPARE
- 5: SPARE
- 6: SPARE



CONNECTOR P/N:
D38999/25NA35PN
OR EQUIV.

SHALL MATE WITH P/N:
D38999/26KA35SN
OR EQUIV.

AAC	Drawing Number S1149	Rev. C
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