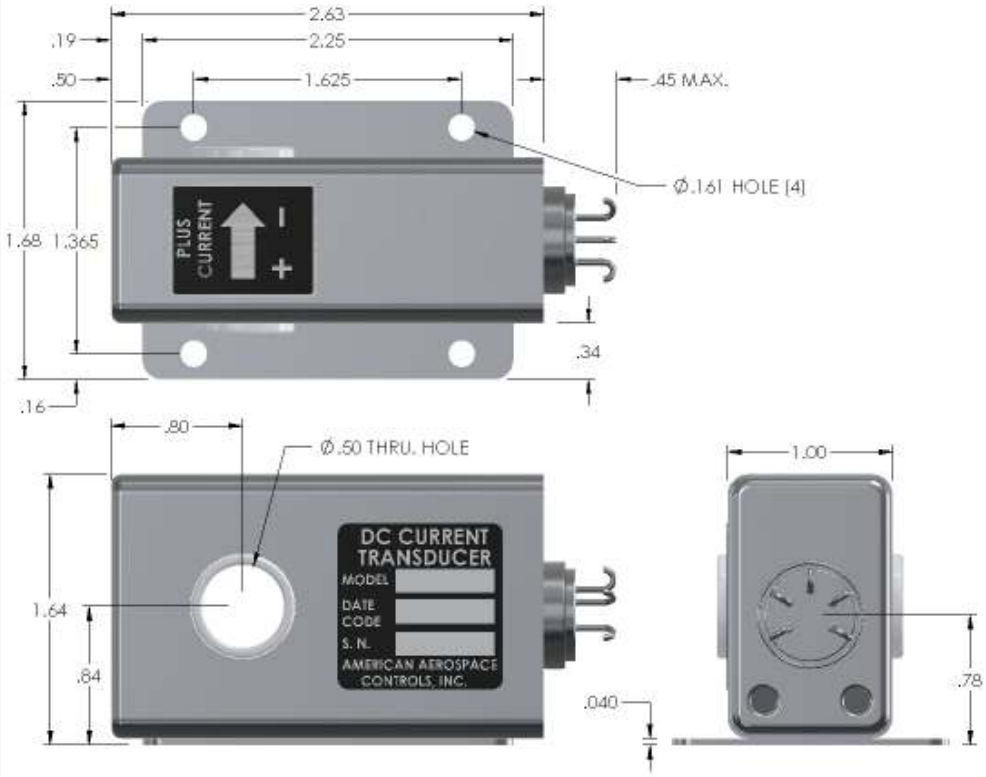
Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

DC CURRENT TRANSDUCER
SERIES S767



PART NUMBER	CURRENT RANGE	PART NUMBER	CURRENT RANGE
S767-10	0 to 10mA	S767-200	0 to 200mA
S767-20	0 to 20mA	S767-250	0 to 250mA
S767-50	0 to 50mA	S767-500	0 to 500mA
S767-100	0 to 100mA	S767-1A	0 to 1A

INPUT

CURRENT RANGE	See Table
CURRENT OVERLOAD	100Adc

OUTPUT

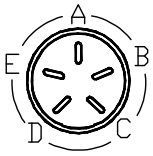
VOLTAGE SIGNAL	0 to +5Vdc FS (Full Scale)
ACCURACY	± 1% FS (±50mV)
OUTPUT IMPEDANCE	100 Ohms max.
RIPPLE	1% FS (RMS) max.
TEMPERATURE COEFFICIENT	±.02% FS/°C max.
LONG TERM STABILITY	±.2% FS/yr
RESPONSE (10 TO 90%)	50 m-sec max.
PROTECTION	Continuous Short ckt Without damage

POWER SUPPLY

SUPPLY VOLTAGE	22Vdc to 36Vdc
CURRENT DRAIN	12mAdc
OVER VOLTAGE PROTECTION	Terminals A & B ±36Vdc without damage
REVERSE POLARITY PROTECTION	10μA max. current drain

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE	-40° to +85°C
STORAGE TEMPERATURE	-55° to +85°C
HUMIDITY	0% to 95% RH
MOISTURE RESISTANCE	MIL-STD-810, Method 507.1, Proc. I
ALTITUDE	Sea Level to 10^{-5} torr (Hard Vacuum)
PYROSHOCK (PROTO FLIGHT)	100Hz @ 50g +6dB/Oct to 1100g @ 1KHz flat to 10KHz
VIBRATION (SINE)	0.06 In. D.A., 10 to 55 Hz
(RANDOM)	Overall 37.9g's 20 to 50 Hz +12db/octave 0.084 to 3.0g^2/Hz. 3.0 flat. 130 to 300 Hz -6db/octave 3.0 to .6g^2/Hz. 300 to 1 flat 1500 to 2000 Hz -6db/octave 0.60 to 0.33g^2/Hz.
INSULATION RESISTANCE	100 M-Ohms min. @ 100Vdc
ATTITUDE	Performs in any position.
FINISH	Fuse Tin Plate
ENCAPSULANT	Stycast 2850FT Cat 24LV
WEIGHT	0.49lbs max.



SOLDER HEADER

TERMINAL IDENTIFICATION

A. SUPPLY VOLTAGE (+)
B. SUPPLY (RTN)
C. OUTPUT SIGNAL (+)
D. OUTPUT (RTN)
E. CASE GROUND

AAC	Drawing Number	Rev.
	700-S767-903	E

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