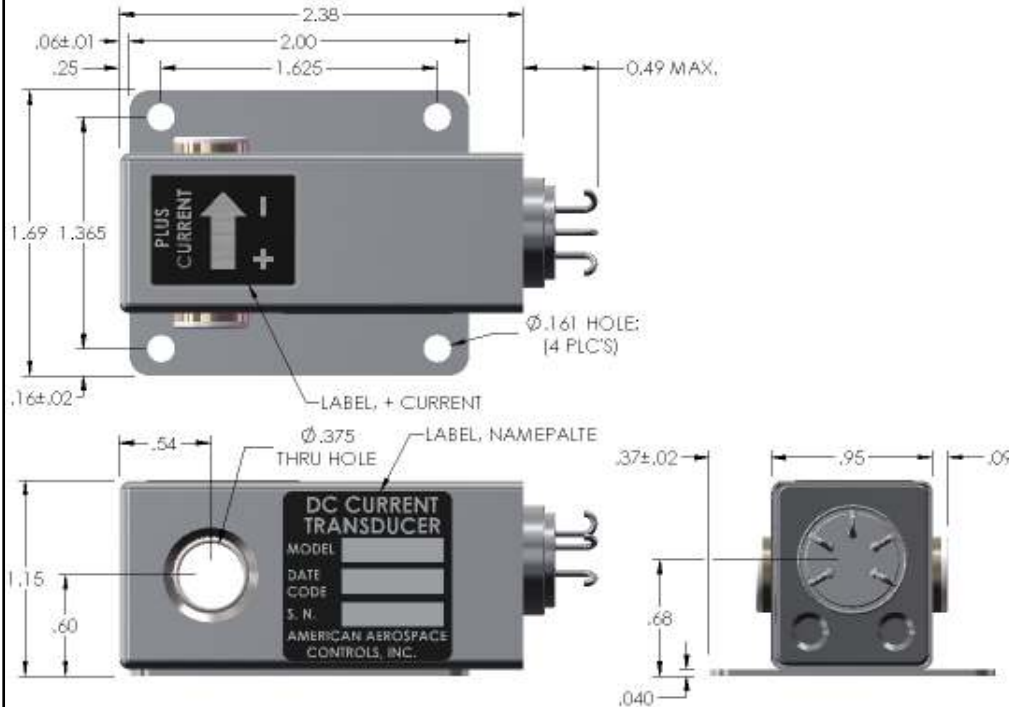


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**BIDIRECTIONAL CURRENT TRANSDUCER
SERIES S745**



PART NO.	INPUT RANGE	ACCURACY	RESPONSE		TEMP. COEFF.
			TIME	BANDWIDTH	
S745-40	0 to ±40 Adc	±1	2u-sec	175Khz	.05%
S745-75	0 to ±75 Adc	±0.75	1.5u-sec	233Khz	.04%
S745-150	0 to ±150 Adc	±0.5	1.0u-sec	350Khz	.03%
S745-250	0 to ±250 Adc	±0.5	1.0u-sec	350Khz	.03%

INPUT CURRENT

RANGE NOMINAL See Table
 OVERLOAD Unlimited (Nondestructive Nonlatching Saturated output)
 FREQUENCY RANGE DC to 20KHz

OUTPUT

VOLTAGE SIGNAL 0 to ±5Vdc (Full Scale)
 ACCURACY (ROOM TEMP) % FS see table
 TEMPERATURE COEFFICIENT Per °C max. see table
 OUTPUT IMPEDANCE 10 Ohms max.
 RESPONSE TIME (10 TO 90%) Max. see table
 BANDWIDTH DC to see table
 OUTPUT PROTECTION Short Circuit
 OUTPUT LOAD 5K Ohm min.

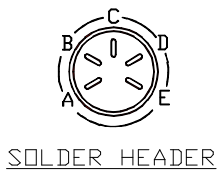
POWER SUPPLY

SUPPLY VOLTAGE ±12Vdc (±1Vdc)
 CURRENT DRAIN +15mA max -5mA max.
 PROTECTION Reverse Polarity Protected

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE -55 to +100°C
 STORAGE TEMPERATURE -55°C to +100 °C
 RADIATION Operating as specified with a total dose of 1 KRAD (SI).
 SEL of 37 MeV (no latch or up-set).
 SHOCK 100 g, 6 m-sec half sine pulse
 VIBRATION 50g
 HUMIDITY 0 to 100% RH Operating
 INSULATION RESISTANCE 500M-Ohms @ 500Vdc
 DIELECTRIC STRENGTH 1500Vdc
 FINISH Fuse Tin Plate
 WEIGHT 0.49 lbs. Max.

TERMINAL IDENTIFICATION



- A. SUPPLY (+)
- B. SUPPLY (RTN)
- C. SUPPLY (-)
- D. OUTPUT (+)
- E. OUTPUT (RTN)

AAC	Drawing Number 700-S745	Rev. B
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