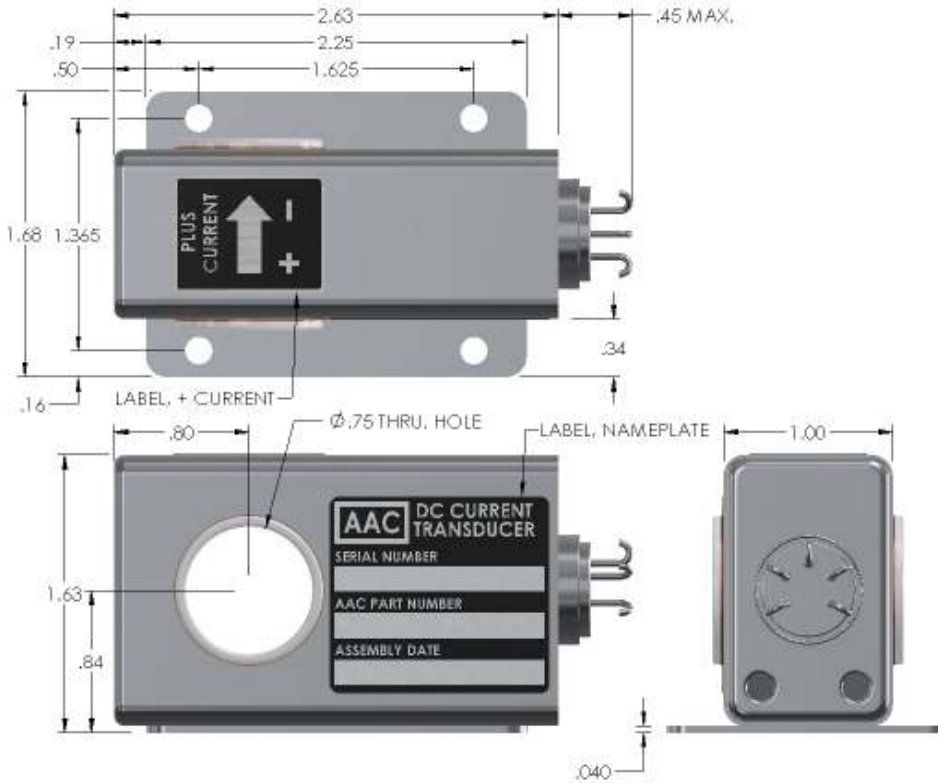


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**BIDIRECTIONAL CURRENT TRANSDUCER
SERIES S784**



PART NUMBER	CURRENT RANGE	PART NUMBER	CURRENT RANGE
S784-100	0 to ±100	S784-400	0 to ±400
S784-200	0 to ±200	S784-500	0 to ±500
S784-250	0 to ±250	S784-600	0 to ±600
S784-300	0 to ±300	S784-750	0 to ±750

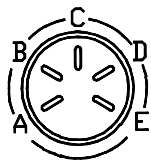
INPUT
 RANGE See Table Adc
 FREQUENCY DC to 1kHz
 OVERLOAD CURRENT CONTINUOUS 10KAcd

OUTPUT
 VOLTAGE SIGNAL 0 to ±5Vdc FS
 ACCURACY ±1% FS
 RESPONSE TIME (10 TO 90%) 500 u-sec. max.
 OUTPUT IMPEDANCE 250 Ohms max.
 TEMPERATURE COEFFICIENT ±0.02%FS/°C max.
 OUTPUT PROTECTION Short CKT
 RECOMMEND OUTPUT LOAD 50KΩ or greater

POWER SUPPLY
 SUPPLY VOLTAGE +16Vdc to +40Vdc nominal
 CURRENT DRAIN 10mA max.
 REVERSE POLARITY PROTECTION 100µA max. Current drain without damage

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS
 OPERATING TEMPERATURE RANGE -40°C to +85°C
 STORAGE TEMPERATURE RANGE -55°C to +85°C
 DIELECTRIC STRENGTH 350V RMS MIL-STD-202 Method 301
 MOUNTING Rigid in any position
 INSULATION RESISTANCE 200 M-Ohms min. MIL-STD-202 Method 302
 Test Condition A
 WEIGHT 9 oz. max.

DO-160D ENVIRONMENT	CATEGORY	SECTION
TEMPERATURE & ALTITUDE	A2	4
TEMPERATURE VARIATION	A	5
HUMIDITY	A	6
SHOCK & CRASH SAFTY	REQ'D	7
VIBRATION	H2 CURVE C&R	8
EXPLOSION PROOF	X	9
FLUID SUSCEPTIBILITY	X	11
SAND AND DUST	X	12
FUNGUS RESISTANCE	F	13
SALT SPRAY	X	14
MAGNETIC EFFECT	X	15
VOLTAGE SPIKE	A	17
AUDIO FREQUENCY SUSCEPTIBILITY	B	18
INDUCED SIGNAL SUSCEPTIBILITY	A	19
RADIO FREQUENCY SUSCEPTIBILITY	R	20
EMMISSION OF RADIO FREQUENCY ENERGY	L	21
LIGHTNING INDUCED TRANSIENT SUSCEPTIBILITY	A3C3	22
LIGHTNING DIRECT EFFECT	X	23
STATIC DISCHARGE	A	



SOLDER HEADER

TERMINAL IDENTIFICATION

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

AAC	Drawing Number 700-S784	Rev. D
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