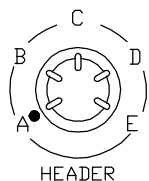
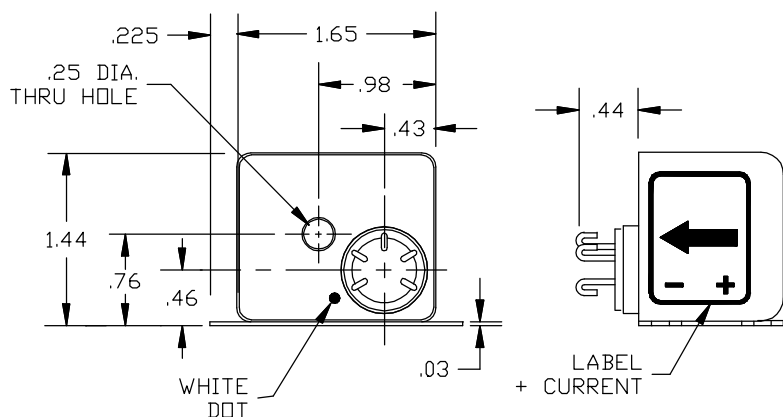
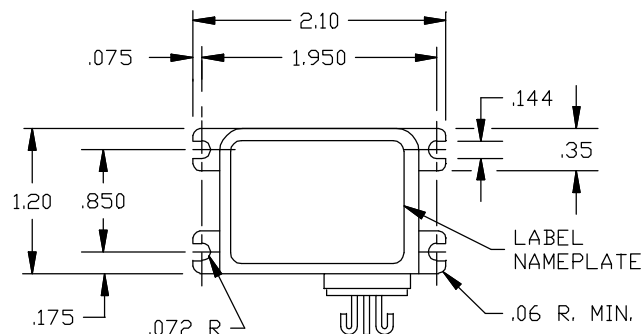


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**BIDIRECTIONAL CURRENT TRANSDUCER
SERIES S449**



TERMINAL IDENTIFICATION

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

<u>PART NO.</u>	<u>INPUT CURRENT</u>	<u>ACCURACY</u>	<u>TEMPERATURE COEFFICIENT</u>
S449-25	0 to ±25	±1.0%	±0.05%
S449-40	0 to ±40	±0.5%	±0.03%
S449-50	0 to ±50	±0.5%	±0.025%
S449-60	0 to ±60	±0.5%	±0.025%

INPUT

CURRENT RANGE	Adc or ac peak See Table
FREQUENCY RANGE	DC to 2KHz continuous operation
CURRENT OVERLOAD	Unlimited (Nondestructive Nonlatching/Saturated Output)

OUTPUT

VOLTAGE SIGNAL	0 to ±5.0Vdc FS (Full Scale)
ACCURACY	See Table
OUTPUT IMPEDANCE	400 Ohms max.
RESPONSE (10 to 90%)	1u-sec max.
BANDWIDTH	DC to 100KHz
TEMPERATURE COEFFICIENT	FS/°C max. See Table
OUTPUT NOISE	10mV RMS max.
LINEAR OVER RANGE	10% above FS

POWER SUPPLY

SUPPLY VOLTAGE	±15Vdc ±250mV
CURRENT DRAIN	±40mA max.
MAX. OVER VOLTAGE	±17Vdc continuous (Nondestructive)
REVERSE POLARITY	10µA drain (Nondestructive)

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE (TC)	-40° to +71°C
STORAGE TEMPERATURE	-55° to +125°C
ISOLATION : INPUT/OUTPUT/CASE	1050V RMS max.
INSULATION RESISTANCE	200M-Ohms @ 500Vdc
CASE	Hermetic seal
FINISH	Fuse Tin Plate
WEIGHT	4 oz. max.

AAC

**Drawing Number
700-S449**

**Rev.
D**