

52301**INSTRUMENTATION AMPLIFIER****Features:**

- +25°C to +180°C Operation
- Ultra-Low Voltage Drift
- Low Offset Voltage
- Low Nonlinearity
- Low Noise
- High CMR
- High Input Impedance

Applications:

- Amplification of signals from sources such as:
 - Strain Gages
 - Thermocouplers
 - RTDs
- Low Level Signals
- Medical Instrumentation

DESCRIPTION

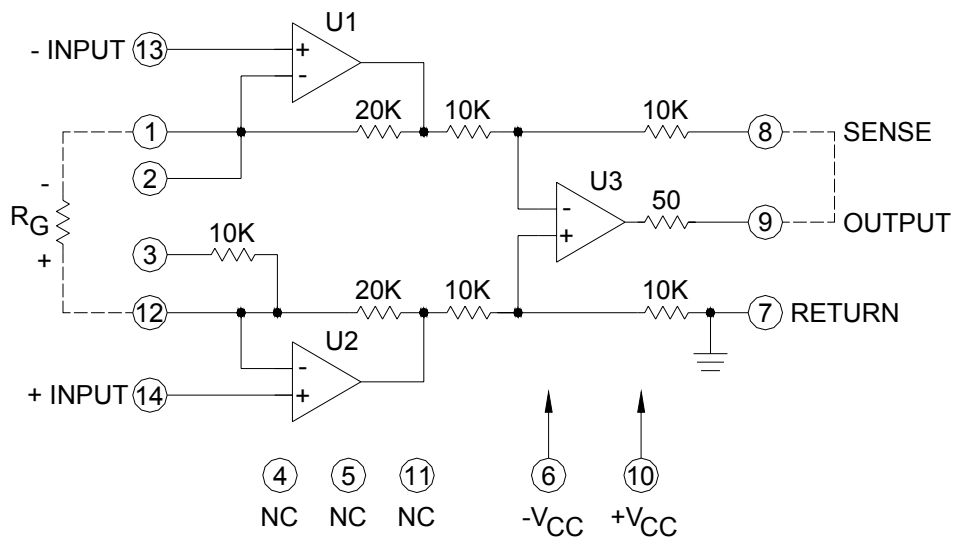
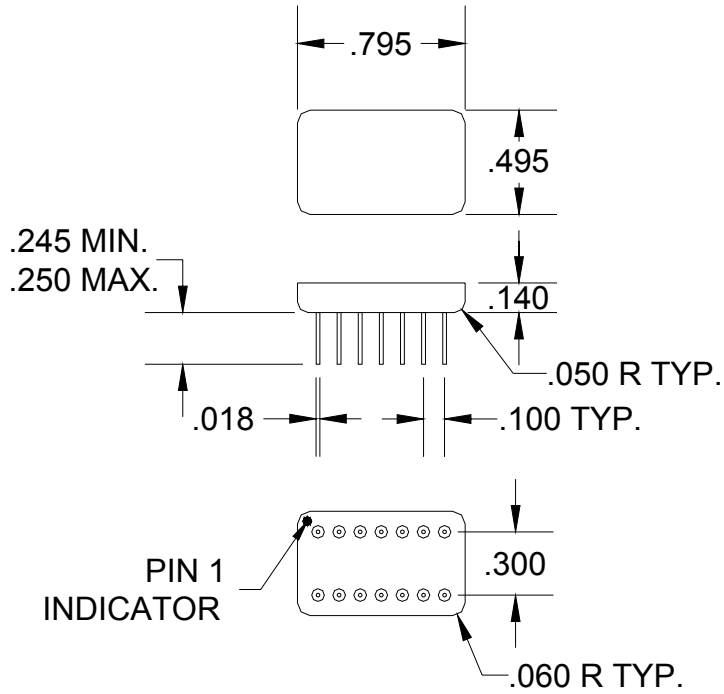
The MII 52301 is a high accuracy hybrid-circuit instrumentation amplifier designed for signal conditioning requirements where very high performance is desired.

The input stage uses ultra-low drift, low noise technology to provide exceptional input characteristics.

PARAMETER	+25°C		+180°C ⁽¹⁾		UNITS
	MIN	MAX	MIN	MAX	
Gain Equation: $A_v = 1 + 40K/R_g$ Rated Output Voltage Current	±10 10		±10 5		V mA
Input Offset Voltage (vs Temp, 30 μV/°C)		±8		±16	mV
Input Bias Current Each Input Offset (vs Temp, .3na/°C)		10 10		50 50	nA nA
Input Common Mode Voltage Range CMRR: Gain = 100	60	±10	40	±10	V dB
Power Voltage Current	±15	15	±15	20	V mA
Dynamic Response Full power Bandwidth Unity Gain Bandwidth (-3dB)	40 .8		35 .8		KHz MHz

(1) 200°C operation is a possible option. Check with the Factory.

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