



# ANALOG MODULES, INC.

## MODEL 353A

LOW NOISE, HIGH BANDWIDTH,  
DC-COUPLED VOLTAGE AMPLIFIERS

### ULTRA HIGH BANDWIDTH DC VOLTAGE AMPLIFIER

- BANDWIDTH – FROM DC TO 350MHz
- HIGH GAIN – 30dB
- LOW NOISE – DOWN TO 2nV/√Hz



#### DESCRIPTION:

The **Model 353A** is a low noise voltage amplifier designed for instrument and transducer applications where high bandwidth and low noise are required.

#### SPECIFICATIONS:

##### Input

Impedance 50Ω  
 Capacitance < 10pF  
 Drift 15μV/°C typical

##### Output

Load 50Ω  
 Swing 3V pk-pk into 50Ω  
 Offset Trimpot Adjustable

##### Polarity

Non-Inverting

##### Power

± 12VDC at 100mA typical  
(no load)

##### Temperature

-20° to +70°C

##### Connections

Input/Output BNC  
 Power Filter feed-thru pins and ground lug

##### Size

3.50" x 1.93" x 0.92"



*Specifications subject to change without notice.*

#### APPLICATIONS:

*Transducer Amplifiers, Instrumentation Amplifiers*

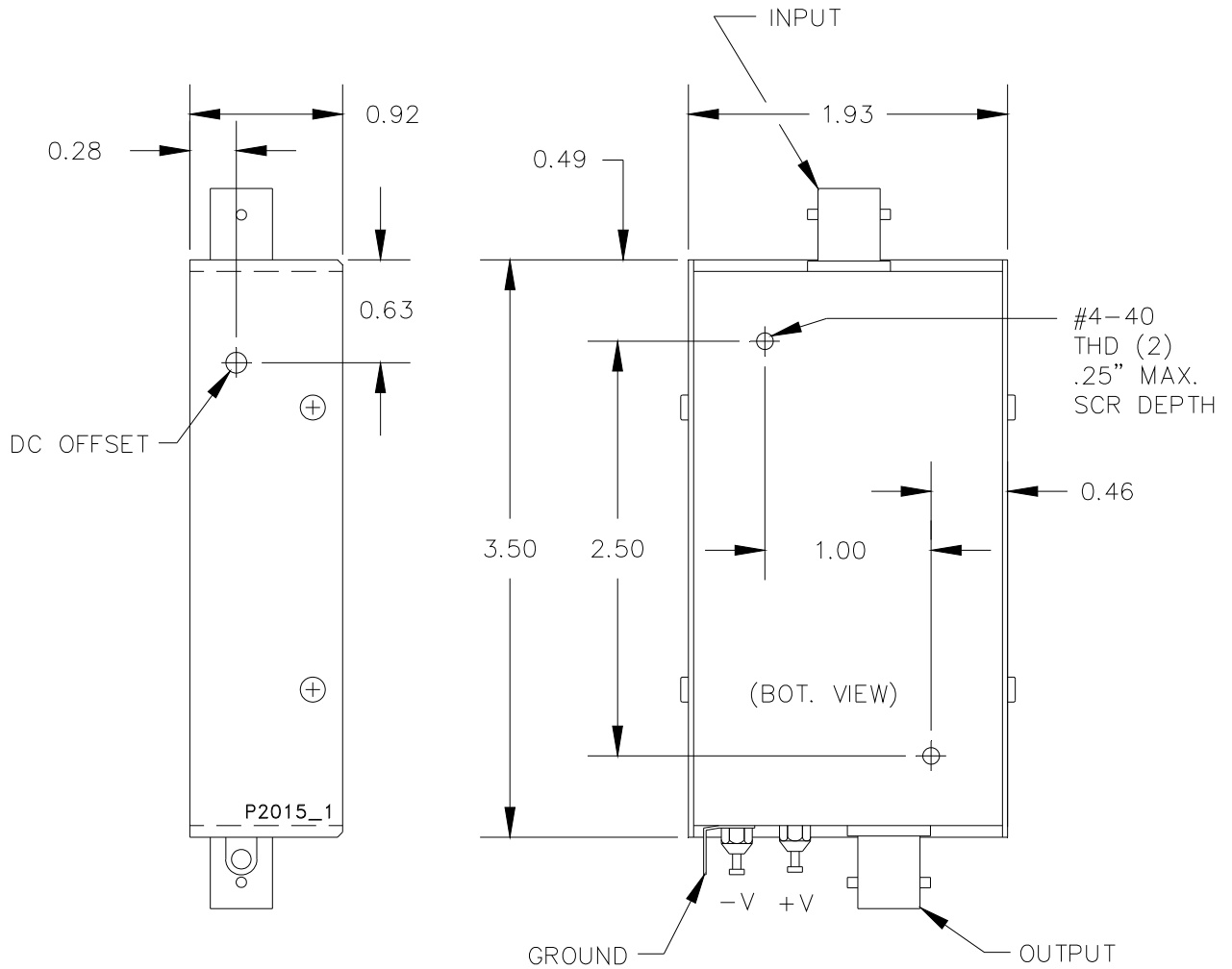
		MODEL NUMBER
		GAIN
		30dB
BANDWIDTH $\pm 20\%$	DC to 350MHz	<b>353A-1</b>
NOISE $\pm 20\%$	Voltage Noise (Shorted input)	2nV/ $\sqrt{\text{Hz}}$

Typical Part Number: **353A-1 =**

Bandwidth: DC to 350MHz

Gain: 30dB

Noise: 2nV/ $\sqrt{\text{Hz}}$



DIMENSIONS ARE IN INCHES