

# MODEL 1671 HIGH IMPEDANCE VOLTAGE PREAMPLIFIER

**DL** Instruments, LLC

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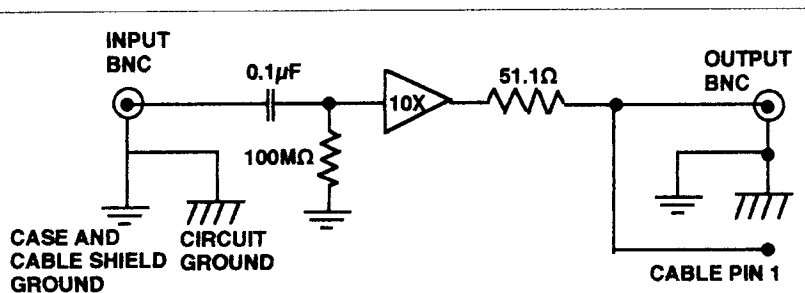
The Model 1671 is a single ended, low noise field effect transistor (FET), 20 dB fixed gain block designed for use with high impedance signal sources. Optimum noise performance is obtained for source impedances in the range from 10 kΩ to 10 MΩ.

## SPECIFICATIONS

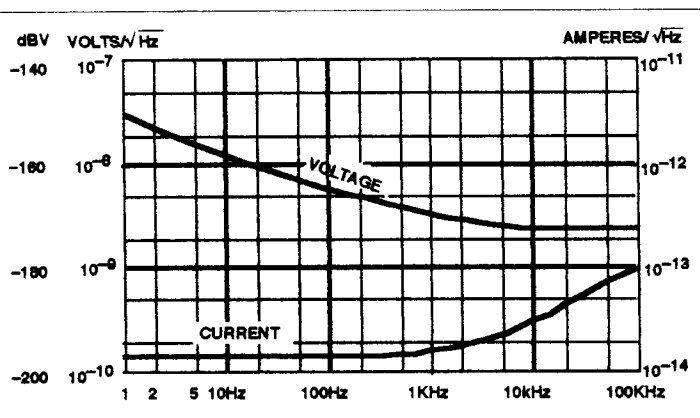
**GAIN** 20 dB  
**BANDWIDTH** 0.16 Hz to 600 kHz  
**INPUT** Single ended  
**INPUT Z** 100MΩ||25pF

## SPECIFICATIONS (Continued)

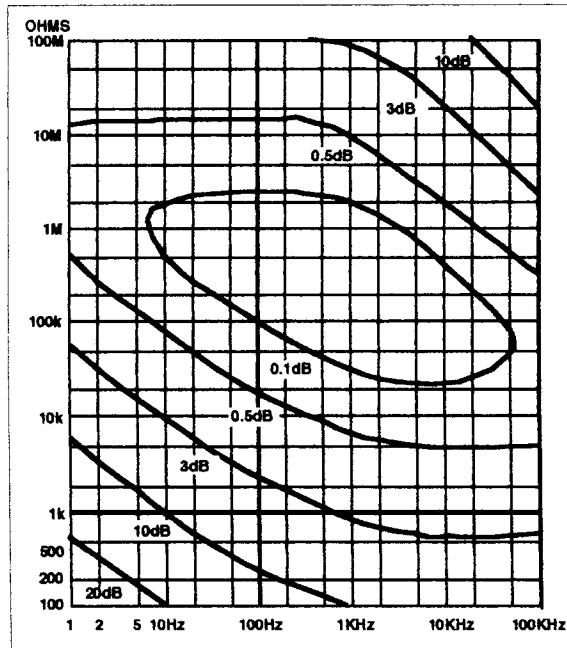
**RECOMMENDED SOURCE Z** 10 K to 10 MΩ  
**OUTPUT MAX** 8 V peak-peak  
**OUTPUT POLARITY** Non inverting  
**dc SUPPLY REQUIREMENT** ±13 to ±18V or ±20 to ±28 V @ 25 ma  
**TEMPERATURE AND HUMIDITY**  
**Operating** 0 to 45°C, 10 to 90% R.H.  
**Storage** -20 to +60°C, 10 to 80% R.H.  
**DIMENSIONS** 94 x 65 x 43 mm (3.3 x 2.3 x 1.5")  
**WEIGHT** 110 Grams (3.9 oz)



Model 1671 High Impedance Voltage Preamplifier Block Diagram



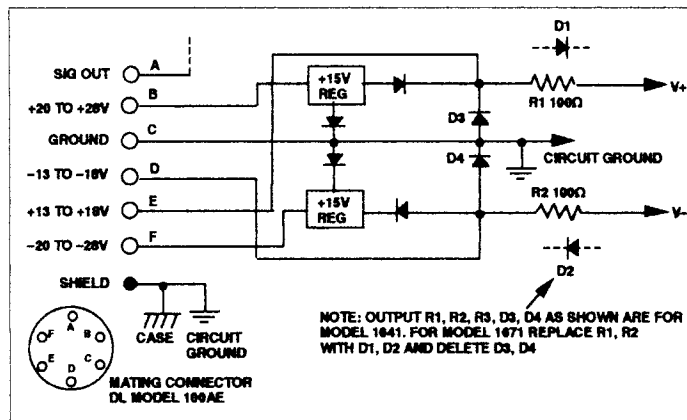
Noise Voltage and Noise Current for Model 1671



Noise Figure Contours for Model 1671

## 1600 SERIES CABLES (2 meter length)

**391V1M7** Power cable for 399 Lock-In  
**4200V1** Signal and power cable for 450 Series  
 Amplifiers and 4000 Series  
 Electronic Filters



1600 Series Preamplifier Power and Grounding

For more information contact

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