

|                                |                                     |   |
|--------------------------------|-------------------------------------|---|
| Bandwidth                      | 10 kHz - 2.5 GHz                    | - 3 dB, rel. to gain at 1 GHz                     |
| Gain                           | 20 ± 1.5 dB<br>10 V / V             | at 1 GHz<br>inverting, 50 Ω load                  |
| Gain Flatness                  | ± 0.5 dB typ. / ± 0.75 dB max.      | 20 kHz - 2 GHz                                    |
| Noise Figure                   | 7.3 dB typ.<br>8 dB max.            | at 100 MHz<br>at 100 MHz                          |
| Maximum Output Level           | +11.7 dBm                           | at 1 GHz  |
| Output at 1dB Gain Compression | +9.7 dBm typ.                       | at 1 GHz  |
| Harmonic Distortion            | - 43 dBc                            | 0 dBm output, 300 MHz                             |
| Third Order Intercept Point    | + 22 dBm typ.                       | at 300 MHz  |
| Impedance                      | 50 Ω                                | a.c. coupled                                      |
| Input Return Loss              | 14 dB<br>> 11 dB typ.               | 300 kHz - 1 GHz<br>1 - 2 GHz                      |
| Output Return Loss             | 14 dB<br>> 9 dB typ.<br>> 6 dB typ. | 300 kHz - 500 MHz<br>500 MHz - 1 GHz<br>1 - 2 GHz |
| Reverse Isolation              | 45 dB                               | 300 kHz - 2 GHz                                   |
| Transition Time                | 140 psec                            |   |
| Group Delay Variation          | ± 60 psec                           | 45 MHz - 2 GHz                                    |

Input Damage Level: ± 3V D.C.  
+ 13 dBm

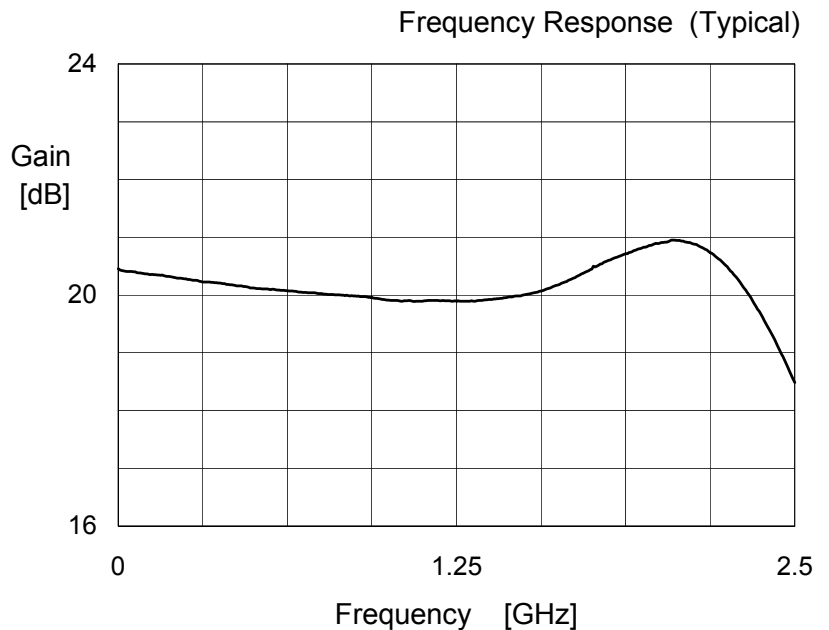
Connectors:  
BNC (Model 330B) or  
Type N (Model 330N)

Temperature Range:  
Operating: 0 to + 55 °C  
Storage: - 25 to + 75 °C

Power Requirements:  
100, 120, 220, or 240 V AC, ± 10%  
50 - 60 Hz, 20 VA

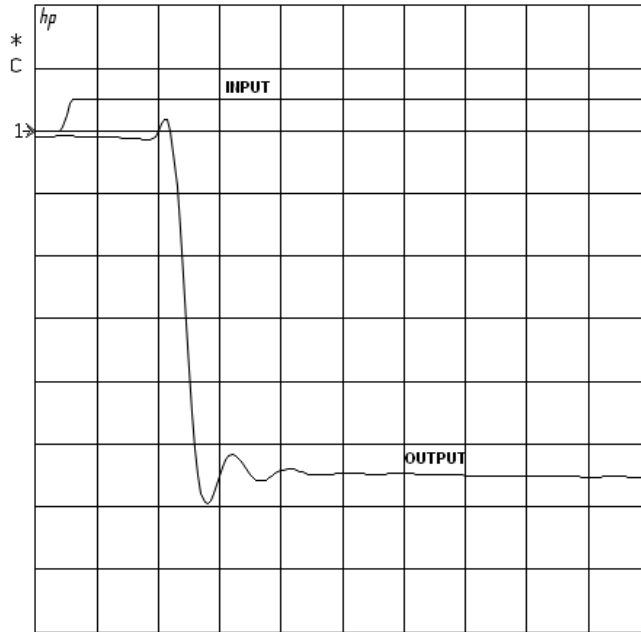
Size: 3.6 × 4.3 × 7.2" (H × W × D)  
91 × 109 × 183 mm

Net Weight: 3.3 lb / 1.5 kg



DATA SUBJECT TO CHANGE

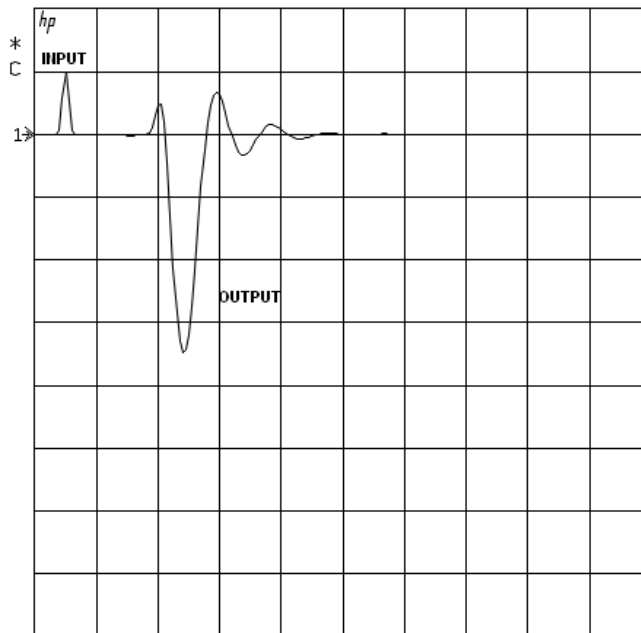
REF 0.0 Units  
2.0 Units/



START 0.0 s  
STOP 5.0 ns

Step Response

REF 0.0 Units  
1.0 Units/



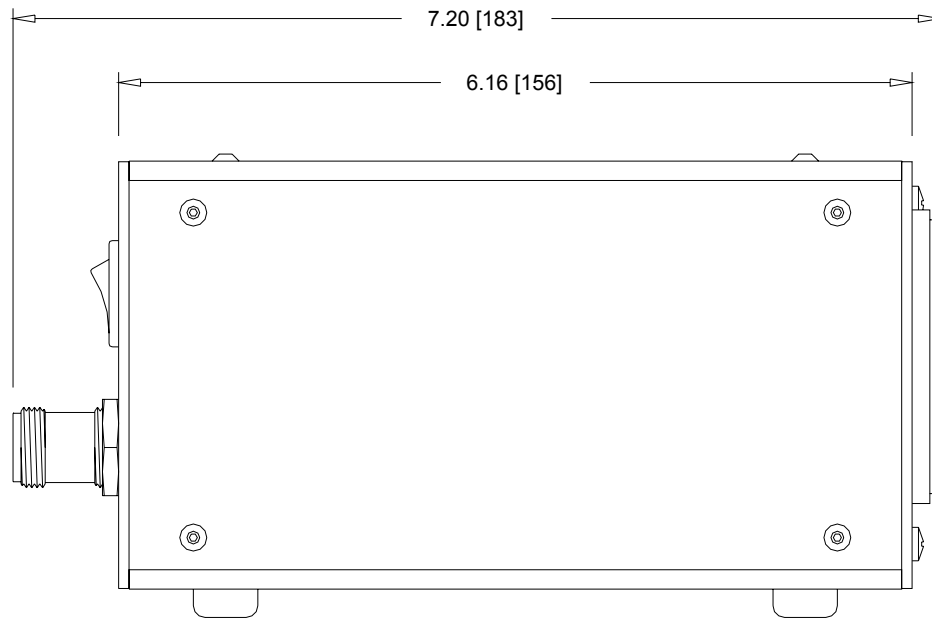
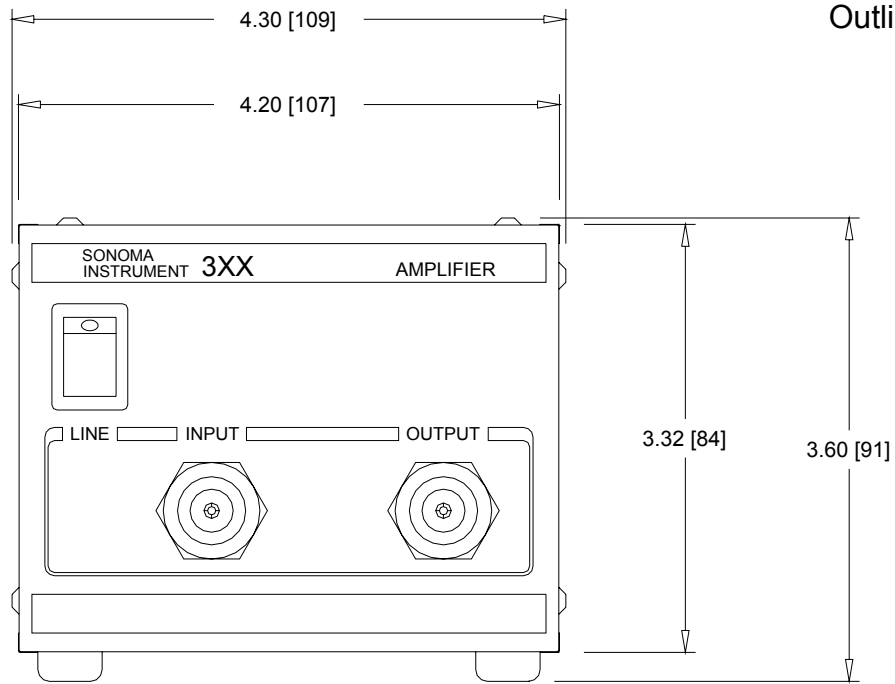
START 0.0 s  
STOP 5.0 ns

Pulse Response

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Outline Drawing

inch [mm]



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