

MODEL 461A

Frequency Range: 1 kHz to 150 MHz.

Frequency Response: ± 1 dB, 1 kHz to 150 MHz when operating into a 50 ohm resistive load (500 kHz reference).

Gain at 500 kHz: 40 dB ± 0.5 dB; or 20 dB ± 1.0 dB, selected by front panel switch (inverting).

Input Impedance: Nominal 50 ohms.

Maximum Input: 1 volt rms or 2 volts p-p pulse.*

Maximum dc Input: ± 2 Volts.*

Maximum Output: 1/2 volt rms into 50 ohm resistive load.

Equivalent Wideband Input Noise Level: Less than 40 μ V in 40 dB position when loaded with 50 Ω .

Distortion: Less than 5% at maximum output and rated load.

Overload Recovery: Less than 1 microsecond for 10 times overload.