

## Logarithmic Amplifiers

RTI has developed a series of low cost and easily customized log amplifiers, available in frequency range from DC to 3 GHz.

### General Specifications

Slope	25 mV/dB (typical)
Source Impedance	50 Ohms
Video Load Impedance	93 Ohms
Power Requirements	±15 VDC
Connectors	SMA
Connectors	PCB Mountable Pins



### Optional Specifications

Customized video load, slope
±12 VDC power supplies
Single power supply

**Design Note:** Radar Technology can customize any of our products to meet your individual system requirements. RTI also offers many form, fit, function replacements to old RHG Electronics Amplifiers.

### Specification Table

Model	Frequency (MHz)	Rise Time (nS)	Linearity at 25° C (dB)	Input Power (dBm)
RTL-7-10	10	200	1	-70 to +10
RTL-7-30	30	100	1	-70 to +10
RTL-7-45	45	100	1	-70 to +10
RTL-7-60	60	100	1	-70 to +10
RTL-7-70	70	100	1	-70 to +10
RTL-7-120	120	100	1	-70 to +10
RTL-7-160	160	100	1	-70 to +10
RTL-7-200	200	100	1	-70 to +10
RTL-7-300	300	100	1	-70 to +10
RTL-7-100-2500	100-2500	40	1.5	-65 to 0

\*Parameters can be modified to meet specific application requirements