

# A

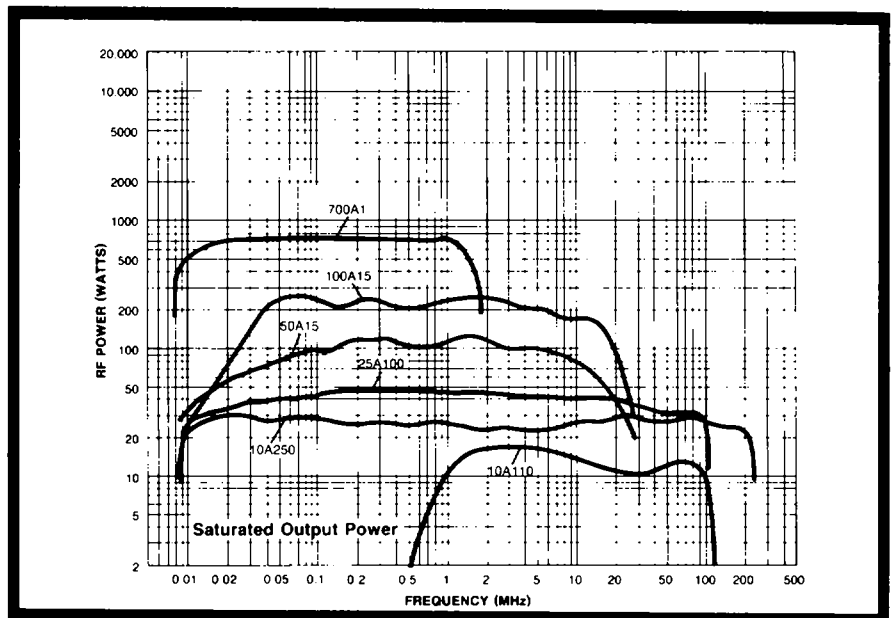
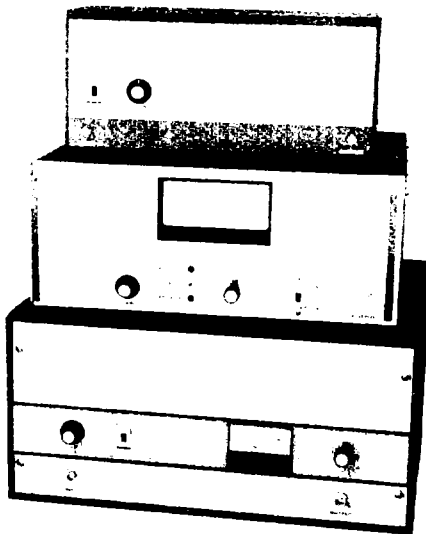
10 kHz to 250 MHz • 10 W to 700 W • Linear  
 • Instant bandwidth • Low harmonic distortion  
 • Unconditional stability  
 • All-solid-state

The A-Series of tough, compact amplifiers offers low to moderate rf power over four decades of bandwidth. Standard models range from 10 watts to 700 watts. A-Series is ideal for short-pulse-video, or in ultrasonic applications

requiring a bandwidth from just above the audio spectrum to the MHz region. Completely solid-state, A-Series amplifiers provide predictable, linear operation over the operating spectrum. A-Series amplifiers are unconditionally

stable, and will not shut down or be damaged by any phase or magnitude of load, including open or shorted conditions.

25A100 700A1 100A15



## Special models

Specially designed A-Series units can boost power output to higher levels by modifying the operating frequency range.

A-Series amplifiers are rated for linear, cw operation. Ratings are given in the

chart below. All models are forced-air cooled by internal-fan.

## Laboratory and OEM Models

*Certain Amplifier Research rf amplifiers are available in special OEM versions. Specifications vary with respect to frequency and inclusion of power supply. Contact Amplifier Research for technical information and pricing.*

MODEL	FREQUENCY RANGE	LINEAR RF POWER (WATTS) CW/SATURATED	FLATNESS (dB)	INPUT FOR RATED OUTPUT (mW)	MINIMUM GAIN (dB)	GAIN CONTROL
10A110	1-110MHz	10 <sup>1</sup>	± 1.0	0.1	50	STD
10A250	10kHz-250MHz	10 <sup>1</sup>	+ 1.0	1.0	40	STD
25A100	10kHz-100MHz	20 <sup>1</sup> ; 25	± 1.0	1.0	44	STD
50A15	20kHz-15MHz	50 <sup>1</sup>	+ 1.0	1.0	47	STD
100A15	35kHz-15MHz	100 <sup>1</sup>	± 1.0	1.0	50	STD
700A1	10kHz-1MHz, 8kHz-1.5MHz at reduced gain	250 <sup>1</sup> ; 700	± 1.0	0.25	60	STD

1 Measured at less than 1.0 dB compression

FOR MORE DETAILED INFORMATION, REQUEST INDIVIDUAL SPECIFICATION SHEETS