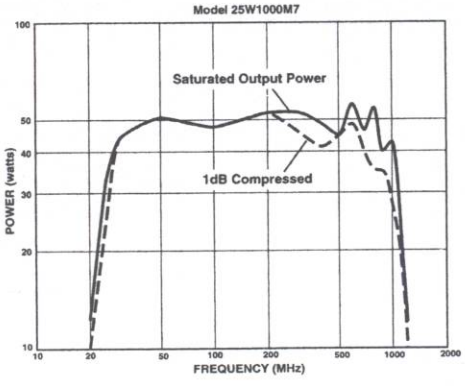
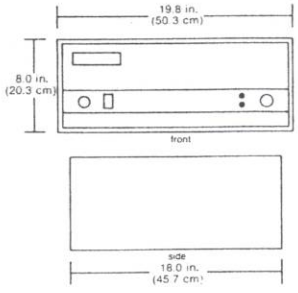
Specifications

	25W1000M7
Power output, cw typical minimum	 30 watts 25 watts
Power output, cw linear (less than 1 dB compression into 50 ohms)	20 watts minimum
Flatness	±1.5 dB maximum; ±1.0 dB typical
Frequency response (instantaneous)	25 to 1000 MHz
Input for rated output	1.0 milliwatt max.
Power gain	45 dB minimum
Input impedance	50 ohms; VSWR 2.0:1 max.
Output impedance	50 ohms nominal
Mismatch tolerance (ability to operate without damage, foldback, or oscillation with any magnitude and phase of source and load impedance)	100%
Modulation capability (ability to reproduce faithfully AM, FM, or pulse modulation appearing on input signal)	100%
Noise Figure	noise floor data on request
Harmonic distortion	Minus 20 dBc max. at 20 watts
Third-order intercept point	52 dBm typical
Primary power (select via internal taps)	100/110/120/200/208/220/ 240 Vac ±5%, 50/60 Hz, single-phase, 750 W max.
RF Connectors	Type N female
Cooling	Forced air (self-contained fans)
Weight	28.4 kg (63.0 lb)

Typical Power Curves



Dimensions



Models 1W1000 and 5W1000 are available as OEM rf circuit modules without power supply. Contact Amplifier Research for further information.