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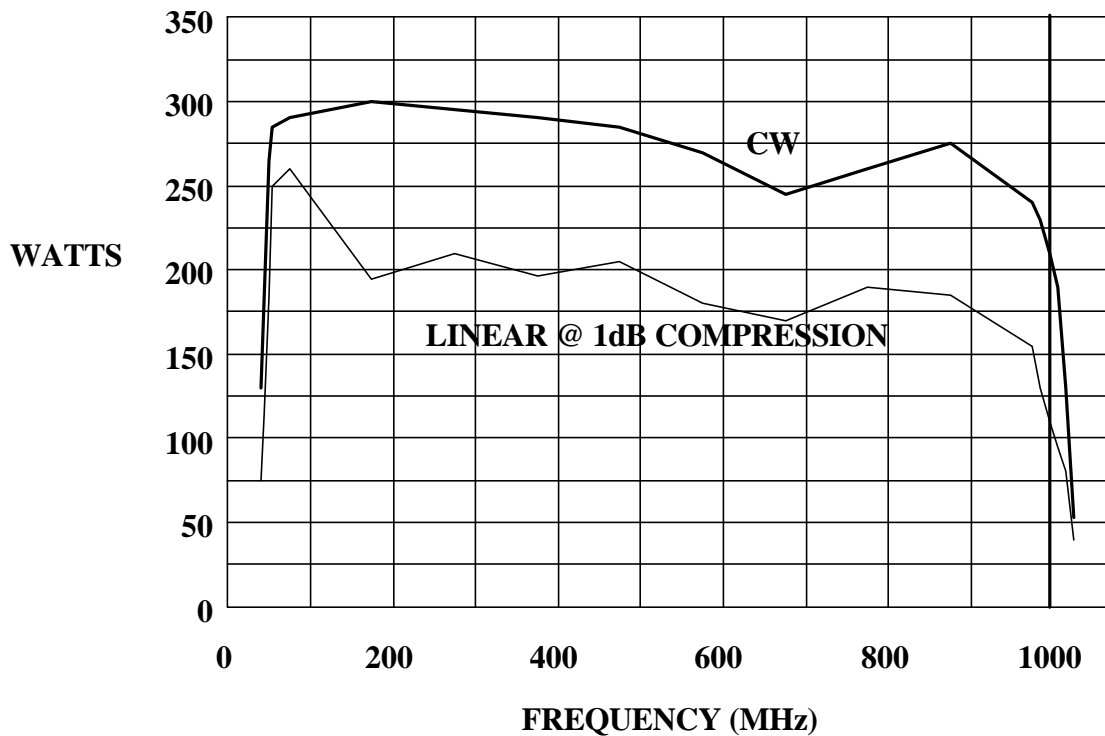
MODEL 200W1000M7
200 WATTS CW
80 - 1000 MHz

The Model 200W1000M7 is a self-contained, air cooled, broadband, completely solid-state amplifier designed for applications where instantaneous bandwidth and high gain are required. Push-pull circuitry is utilized in all high power stages in the interest of lowering distortion and improving stability. The Model 200W1000M7, when used with an RF sweep generator, will provide a minimum of 200 watts of swept power.

The Model 200W1000M7 can be remotely controlled via the Amplifier Research CP2001 or CP3000 controller/interface unit. Both units have a control panel with switches for remote operation of the major amplifier functions. In addition the CP2001 provides a TTL level controller interface connector and the CP3000 has an IEEE 488 interface.

Housed in a stylish, contemporary equipment rack the Model 200W1000M7 provides readily available RF power for typical applications such as RF susceptibility testing, antenna and component testing, watt meter calibration, and use as a driver for higher power amplifiers.

200W1000M7 TYPICAL POWER OUTPUT



SPECIFICATIONS
MODEL 200W1000M7

POWER OUTPUT, CW

Typical265 watts
Minimum200 watts
Linear @ 1dB compression.....140 watts minimum

FLATNESS.....± 2.0 dB maximum
± 1.5 dB typical

FREQUENCY RESPONSE.....80 - 1000 MHz instantaneously

INPUT FOR RATED OUTPUT.....1.0 milliwatt maximum

GAIN.....53 dB minimum

INPUT IMPEDANCE.....50 ohms, VSWR 2.0:1 maximum

OUTPUT IMPEDANCE.....50 ohms, VSWR 2.0:1 typical

*MISMATCH TOLERANCE100%, will operate without damage,
foldback or oscillation with any magnitude
and phase of source and load impedance at
rated output power.*

HARMONIC DISTORTIONMinus 20 dBc maximum at 200 watts

THIRD ORDER INTERCEPT POINT.....62 dBm typical

*PRIMARY POWER.....100/110/120/200/208/220/240 VAC ± 5%
50/60 Hz, single phase
3000 KVA maximum*

CONNECTORS

RF InputType N female on front panel
RF Output.....Type N female on front panel
Remote Control25 pin female subminiature D

COOLING OPTIONSForced air (self contained fans)

WEIGHT (approximate).....120 kg (265 lb)

*SIZE (WxHxD)56.1 x 74.4 x 58.4 cm
22.1 x 29.3 x 23.0 in*