SPECIFICATIONS, MODEL 150W1000

RATED OUTPUT POWER ..... 150 watts

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

POWER OUTPUT @ 3dB compression
- Nominal ..... 140 watts
- Minimum ..... 120 watts

POWER OUTPUT @ 1dB compression
- Nominal ..... 120 watts
- Minimum ..... 100 watts

FLATNESS ..... ±2.0 dB maximum; 1.5 dB typical; ±0.8 dB with internal leveling

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

GAIN (at maximum setting) ..... 52 dB minimum

GAIN ADJUSTMENT (continuous range) ..... 18 dB minimum (4096 steps remote)

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

OUTPUT IMPEDANCE ..... 50 ohms nominal

MISMATCH TOLERANCE * ..... Will operate without damage or oscillation with any magnitude and phase of source and load impedance. Will limit reflected power to 100 watts.

MODULATION CAPABILITY ..... Will faithfully reproduce AM, FM, or pulse modulation appearing on the input signal

HARMONIC DISTORTION ..... Minus 20 dBc maximum at 100 watts

THIRD ORDER INTERCEPT POINT ..... 58 dBm typical

RF POWER DISPLAY ..... 0-200 watts

PRIMARY POWER (user must specify) ..... 90 - 264 VAC
40/400Hz, single phase
1200 watts maximum

CONNECTORS
- RF ..... See Model Configurations
- REMOTE INTERFACES
  - IEEE-488 ..... 24 pin female
  - RS-232 ..... 9 pin Subminiature D (female)
- ALC & PULSE ..... Type BNC on front panel

SAFETY INTERLOCK ..... 15 pin Subminiature D

COOLING ..... Forced air (self contained fans)

* See Application Note #27

MODEL CONFIGURATIONS

MODEL	RF INPUT	RF OUTPUT	WEIGHT	SIZE (W x H x D)
150W1000	Type N female on front panel	Type N female on front panel	40 Kg (88 lbs)	50.3 x 24.9 x 53.0 cm 19.8 x 9.8 x 21.1 in
----------> 150W1000M1	Type N female on rear panel	Type N female on rear panel	40 Kg (88 lbs)	50.3 x 24.9 x 53.0 cm 19.8 x 9.8 x 21.1 in
150W1000M2	Same as 150W1000 with enclosure removed for rack mounting		30 Kg (66 lbs)	48.3 x 22.2 x 53.0 cm 19 x 8.75 x 21.1 in
150W1000M3	Same as 150W1000M1 with enclosure removed for rack mounting		30 Kg (66 lbs)	48.3 x 22.2 x 53.0 cm 19 x 8.75 x 21.1 in
150W1000M4	Type N on front panel.	Type N on rear panel.	40 Kg (88 lbs)	50.3 x 24.9 x 53.0 cm 19.8 x 9.8 x 21.1 in
150W1000M5	150W1000M2 with gain control non adjustable – set to max gain		30 kg (66 lbs)	48.3 s 22.2 s 53.0 cm 19 x 8.75 x 21.1 in
150W1000M6	*See Individual Specification Sheet		*	*
150W1000M7	Same as 150W1000M4 with enclosure removed for rack mounting		30 Kg (66 lbs)	48.3 x 22.2 x 53.0 cm 19 x 8.75 x 21.1 in