

TABLE 1-1 SPECIFICATIONS

<u>FREQUENCY</u>	80kHz to 2.7MHz
<u>RF INPUT/OUTPUT IMPEDANCE</u>	50 Ω (BNC connector)
<u>GAIN FLATNESS</u>	± 1.5 dB
<u>POWER LINE</u>	Power supply taps provided for nominal 105/120VAC $\pm 5\%$ single phase, 50-60Hz at 20A and 208/240VAC $\pm 5\%$ single phase, 50-60Hz at 10A.
<u>RF POWER CONTROL</u>	Switch selectable for unleveled or load power leveling from front panel. Selectable for load power and forward power leveling from the accessories connector.
<u>MAXIMUM POWER OUTPUT</u>	400W or greater from 80kHz to 2.7MHz into 50 Ω .
<u>POWER OUTPUT METER</u>	0 to 500W with an accuracy of $\pm 4\%$ of full scale. Forward and load power by switch selection.
<u>LOAD POWER LEVELING</u>	1W to 400W internally or externally controlled.
<u>FORWARD POWER LEVELING</u>	1W to 400W internally or externally controlled.
<u>POWER FOLDBACK PROTECTION</u>	Automatic, occurs when the reverse power reaches 100W or power amplifier current exceeds a preset limit.
<u>PULSE OPERATION</u>	Rise time is less than 0.1msec. RF output may be controlled simultaneously for amplitude and pulse width.

TABLE 1-1. SPECIFICATIONS (Cont'd)

<u>AUTOMATIC LOAD OR FORWARD POWER REGULATION:</u>	± 5% of set power for load variation from 1:1 to ∞:1 VSWR (within fold-back limits).
<u>EXTERNAL INPUT CONNECTOR:</u>	BNC
<u>EXTERNAL COMPUTER CONTROL INTERFACE:</u>	Amphenol sub-miniature "D" type #17-10150 (matching connector provided).
<u>EXTERNAL RF POWER LEVEL CONTROL:</u>	0 to +10 VDC or positive pulse input; external potentiometer.
<u>FORWARD RF POWER INDICATOR:</u>	Calibrated at 10 volts per kilowatt, direct reading on a digital voltmeter.
<u>LOAD RF POWER INDICATOR:</u>	Calibrated at 10 volts per kilowatt, direct reading on a digital voltmeter.
<u>REVERSE RF POWER INDICATOR:</u>	Calibrated at 10 volts per kilowatt, direct reading on a digital voltmeter.
<u>MAXIMUM RF POWER INDICATOR:</u>	TTL compatible
<u>OVERHEAT INDICATOR:</u>	TTL compatible. 5V=overheat.
<u>EXTERNAL INTERLOCK:</u>	Short circuit enables RF power. Open circuit disables RF power.
<u>COOLING:</u>	Forced air; maximum ambient temperature of +45 degrees Celsius
<u>SIZE:</u>	7.75 x 11.0 x 15.25 inches (10.7 x 27.9 x 38.7 cm) (H x W x D)
<u>WEIGHT:</u>	58 lbs (26.3 Kg)