

## TECHNICAL SPECIFICATIONS

REF #	PARAMETER	SPECIFICATION
1	RF5, RF10, RF20, RF20H, RF30 and RF50	13.56 MHz $\pm$ .01 %
2	FREQUENCY STABILITY	$\pm$ .005 % SHORT TERM.
3	RF OUTPUT POWER	RF5 500 Watts into 50 Ohms.
4	OUTPUT IMPEDANCE	50 $\pm$ 5 Ohms nominal.
5	METERING ACCURACY  RF and HF Series	Forward power $\pm$ .5 % FS, $\pm$ 3 % of reading
6	TEMPERATURE COEFFICIENTS	$\pm$ .025 % /C.
7	RF OUTPUT CONNECTOR	RF5            Type N For additional RF output connector configurations, contact RFPP.
8	POWER STABILITY	0.5 % long term.
9	FORWARD POWER REGULATION	1 % into 50 Ohm load.
10	LINE REGULATION	Related to RMS line voltage. Within range of taps settings, all specifications will be met. Below 5 % low line, derate max power 1.5 % for every 1% line change to a minimum 18 % low line. Unit not specified to operate below 190 VAC.
11	HARMONIC DISTORTION RF Series	All harmonics more than 45 dB down. (typically 50 dB)
12	NOISE, HUM, RIPPLE	-40 dBC at full power.

13	COMMON EXCITER INPUT	Input impedance 50 Ohms 7-20 volts P-P at operating frequency.
14	COMMON EXCITER OUTPUT	Output impedance 50 Ohms 12 volts P-P at operating frequency adjustable 0 to 15 V P-P. .005 % / C
15	PROTECTION	Forward power limits on PA current or excessive reflected power...  RF5                    37 Watts
16	SPURIOUS RADIATION	RF Series supplies meet or exceed FCC specifications.
17	OPERATING AMBIENT	0 to 40 degrees Celsius.
18	WATER FLOW/TEMPERATURE	0.5 GPM At 35°C max inlet temp.
19	HUMIDITY	80 % non-condensing.
20	POWER REQUIRED	RF5 100-125 VAC 50/60 Hz 1ø 11 Amps
21	CIRCUIT PROTECTION	RF5 (208V) 8Amp overcurrent