

September 17, 1999

PC-3000A RF Driver

Specifications:

Center Frequency:	2856MHz
Front Panel Frequency Tuning:	+/- 1 MHz
Remote Tuning Range	+/- 1 MHz
Remote Tuning Sensitivity	20-100 KHz per volt
RF Output Power:	400 Watts Nom; 500 Watts max
RF Output Reserve:	100 Watts Nom; 150 Watts max
Pulse Flat Top Duration:	13.5 microseconds adjustable
Pulse turn on Time:	2.0 Microseconds
Pulse Duration 50% Points:	15.0 microseconds
Turn On Variations:	+/- 0.1 microseconds

Trigger Pulse:

Amplitude:	5.0 volts peak
Rise Time:	1.0 microsecond maximum
Pulse Width:	2.0 microseconds
Repetition Rate:	300 Hz nom; 500 Hz max
Excess PRF cut-off	Note: RF Power will stop if PRF of >500 Hz is attempted

Output Stability

Frequency	5 KHz
Temperature coefficient to freq	10.0 KHz/degree C
Mechanical Frequency	+/- 1MHz maximum

Input Power

Voltage	220 VAC
Frequency	60 Hz

Cooling

Water temperature	40 (+/- 1) degree C
-------------------	---------------------

Dimensions

Width	19"
Height	7"
Depth	15.3"