PRODUCT SPECIFICATION SHEET

ITEM: RF DRIVER
MODEL NO.: PC-1000A3
DATE: January 24, 2001

Frequency:	**2856.00 MHz**
.5 dB bandwidth:	**±2 MHz min**
RF Input power CW:	**1 watt**
RF Output power:	**1000 nom, 1200 watts peak**
RF Pulse width (adjustable):	**1.0-20 microseconds (Front panel knob)**
Trigger pulse width:	**1 μs nom.**
Trigger pulse input voltage:	**+5 volts**
PRF:	**1 pulse to 0.2 KC**
Duty cycle:	**.001 nom., .002 max.**
RF Power adjust:	**maximum to -20 dB**
Adjustment:	**clockwise rotation will increase RF power**
Input AC voltage:	**120 volts AC, ±10 volts, single phase when used with Sola transformer #23-23-125-8 (customer supplied)**

Notes:

1. **For best RF output power stability, it is recommended to hold the ac volts to ±3 volts or to use with a Sola transformer.**
2. **Caution: It is the user's responsibility to ensure that the pulse input (+5 volts) does not exceed maximum pulse width and/or duty cycle.**
3. **The cavity will be tuned for 2856 MHz, plus or minus .1 MHz.**

General:

1. **Input ac voltage: 120 VAC at 60 cps single phase, 5 amps maximum.**
2. **RF input and output connectors. SMA input, type n output, located at rear of equipment.**
3. **Pulse gate input: +5 volts into 50 ohms. Type BNC located at rear of equipment.**
4. **RF Power Adjust (knob) located on front panel.**
5. **Fuse, OFF/ON switch, led lamps, located on front panel.**

Customer will supply RF input power of 1 watt CW to the RF input connector, and also supply a +5 volt gate pulse to the BNC connector located at the rear of the equipment. Customer will be responsible for control of the +5 volt pulse. The amplifier will produce one RF pulse, at the pulse