

PRODUCT SPECIFICATION SHEET

MODEL NO.: PC-3000-500PS
ITEM: PULSE RF DRIVER AMPLIFIER SYSTEM
DATE: 10/29/02

SPECIFICATIONS:

Frequency	2998.000 MHz
.2 dB Bandwidth:	± 1 MHz min
RF Power Input:	.040 watt cw max
RF Power Output	500 watts peak min
RF Gain	58 dB min.
RF Pulse Width (adjustable)	1 to 10 microseconds, as determined by gate pulse
Gate Pulse Width:	2 μ s to 10 μ s
Gate Pulse Voltage:	+5 volts @ 50 ohms
Gate pulse width is determined by customer and should not exceed 10 μ s	
RF Pulse Ripple:	<.25%
RF pulse power stability:	<.25%
RF phase during pulse:	<.5 degrees, measured after .5 μ s from leading edge and .5 μ s before trailing edge.
PRF	1 to 200, as determined by gate pulse
Duty cycle	.002

RF Power Adjust allows customer to lower or raise output power by adjusting knob located on front panel (max. to -10 dB)

Forward sample	-30 dB (SMA)
RF output Connector	type n female
Input ac voltage/current	120 volts @ 3 amps, Single phase, 50/60 Hz
Protection	Ferrite isolator at RF output and Ferrite isolator at RF input
Size:	19.00" x 15.25" deep x 7.00" high
Weight:	55 lbs.