

# RF DRIVER

## MODEL NO. PC-3000A-2000

TECHNICAL DATA SHEET  
SEP 1993  
DS0993A

### Specifications:

Center Frequency:	2856 MHz
Front Panel Frequency Tuning:	$\pm 1$ MHz
Remote Tuning Range:	$\pm 1$ MHz
Remote Tuning Sensitivity (Adj):	20 KHz-100 KHz per volt
RF Output Power:	2000 Watts nom., 2300 W max.
RF Output Reserve:	100 Watts nom., 150 W max.
Pulse Flat Top Duration:	13.5 microseconds (adjustable 5-15 $\mu$ sec)
Pulse Turn on Time:	2.0 microseconds
Pulse Duration 50% Points:	15.0 microseconds
Turn On Variations:	$\pm 0.1$ microsecond

### Trigger pulse:

Amplitude:	5.0 volts peak
Rise Time(10%-90% points):	1.0 microsecond maximum
Pulse Width:	2.0 microseconds
Repetition Rate:	100 Hz nominal (single pulse to 360 pps) 360 Hz maximum
Excess PRF cut-off	Note: RF Power will stop if PRF of >400 Hz is attempted (Observe PRF on Frequency Counter).

### Output Stability:

Frequency (pulse to pulse):	5 KHz
Temperature coefficient to freq:	10.0 KHz/degree C
Mechanical Frequency (tuning):	$\pm 1$ MHz maximum

### Input Power:

Voltage:	220 VAC (236 VAC using SOLA transformer)
Frequency:	60 Hz (50 cps units available)

### Cooling:

Water temperature:	40 ( $\pm 1$ ) degree C
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### Dimensions:

Width	19 inches maximum
Height	9 inches
Depth	15.3 inches



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