

## PRODUCT SPECIFICATION SHEET

**MODEL NO.:** PC1300RF-3C-1000  
**ITEM:** 3-Channel Solid State RF Amplifier  
**DATE:** July 18 2012

Frequency	1300.000 MHz
Phase tuning	360 degrees, Front panel adjust
Remote phase tuning	dB-25 connector
.2 dB Bandwidth:	+1 MHz min
RF Power Input	100 mW CW (customer supplied)
RF Power Input connector	Type SMA Female
RF Power Output	1000 Watts peak nom, each channel
RF Pulse Width (variable)	2 to 10 microseconds, Controlled by front panel adjustment
Gate Pulse Width:	.5 $\mu$ s to 1.0 $\mu$ s
Gate Pulse Voltage:	TTL +2.5 to 3.5 volts maximum @ 50 ohms. Customer determines gate pulse width and should not exceed 1.0 microseconds
RF Pulse Ripple:	<.25%
RF pulse power stability:	<.25%
RF phase during pulse:	<.5 degrees, measured after .5 $\mu$ s from leading Edge and .5 microseconds before trailing edge.
PRF	1 to 300, as determined by gate pulse
Duty cycle	.003 (Pulse Width x PRF = Duty Cycle)
RF power adjust	Front panel control
Remote RF Power Adjust	dB-25 connector
RF Output Channels #1, #2, #3	Type N female
Input ac voltage/current	120 volts @ 30 amps, Single phase, 50/60 Hz
Protection	Ferrite isolator at RF output and Ferrite isolator at RF input
Size:	TBD
Weight:	TBD