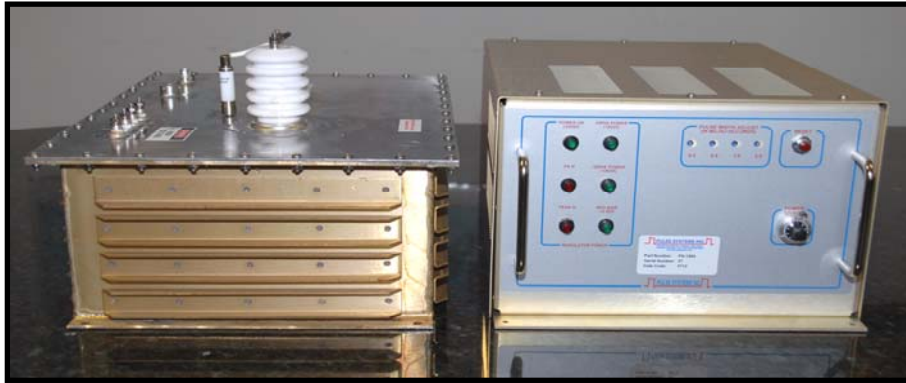


Pulse Systems, Inc.

Pulse Systems Model Number TR-1061
C-Band 250 KW Solid State Transmitter



C-Band Power Supply / Modulator

Transmitter Specifications

Magnetron: C-Band VMC-1891A
Frequency: 5210-5700 MHz
Duty: .001
Magnetron Input: 25KV, 24 Amps
Peak Power: 250 KW

Pulse Widths (Measured at -3db of the RF pulse):

A: 0.5 μ sec
B: 0.8 μ sec
C: 1.0 μ sec
D: 2.0 μ sec
Rise time: 60 nsec
Fall time: 150 nsec
Pulse Jitter: 5 nsec Max.

Output Requirements:

Stability: 0.1 dB, Pulse to Pulse
Spectrum: 12 dB, down on side bands



Pulse Systems, Inc.

Modulator Output:

Output Voltage Pulse Adjustable Between 0 to -30 KV Pulse

Filament Voltage: -9.5 VDC at 12 ADC

Input Trigger: 5.0 VPK 2.0 μ sec

Environmental Specifications:

Altitude: 10,000 feet

Ambient Temperature: -40° C TO +50° C

Humidity: 95%

Cooling: Internal, Forced Air

