Solid State Power Amplifier Modules
Medical Modules
2856MHz, 240 to 300 Watts

Features:
- Internal Frequency Synthesizer
- AFC Control
- 17dB Min Output Power Control
- Elapsed Time Meters
- Front Panel Power/Frequency Meter
- Applicable Uses In:
  - Oncology Treatment
  - Electronic Pasteurization
  - X-Ray Cargo Inspection
- Ethernet Control/Status
- Lightweight
- Rugged and Reliable

Performance Specifications

- Frequency Range: 2856MHz ±4MHz
- RF Power Output (Peak): 240-300 Watts
- DC Bias: Class C
- Modulation Format: Pulse
- Load VSWR: 10:1 Max (Circ protected)
- 10 Minute Warm-Up Drift: 20kHz
- Control Voltage (AFC Tuning): ±10V
- Pulse Width Capability: 3-13μS
- Duty Factor: 1.0% Max
- PRF: 90-440Hz
- Load VSWR: 10:1 Max (Circ protected)
- Available Options:
  - RS422 and 232 Interfaces
  - Internal Pulse Trigger
  - Pulse to Pulse Width Control from 2.5-12.5μS in 250nS steps

COMTECH PST proudly introduces its SSPA series of amplifiers which operate in the S-Band with power levels of 240 to 300 watts peak. The Class “C” amplifiers are designed for maximum power output and maximum AC to RF efficiency with minimal size. Typically used as driver amplifiers for Klystron PA’s within a linear accelerator. Applications include oncology treatment, electronic and medical pasteurization, and X-Ray cargo inspection.