Comtech PST has announced the release of a solid state Class “AB” linear amplifier which operates over the full 6-18 GHz frequency band and delivers a minimum of 50 watts. The amplifier uses the latest Gallium Nitride (GaN) technology and is packaged in a standard rack mountable enclosure measuring 19” x 22” x 5.25”.

**Performance Specifications**

- **Frequency Range:** 6 to 18 GHz
- **RF Power Output (P3dB):** ≥ 40 Watts into 2:1 Load VSWR
- **RF Power Output (Sat):** 50 Watts typical
- **RF Gain @ 40 watts:** >47 dB (45 dB typical)
- **RF Input Overdrive:** +10dBm Max.
- **Harmonic Rejection:**
  - 2fo: < -12 dBc
  - 3fo: < -22 dBc
  - Spurious: < -60 dBc
- **AC Input:** 85-265 VAC 50/60 Hz
- **PA Enable/Disable:** <2 µs (5V TTL)
- **Stability:** Open/Short Tested
- **Operating Temperature:** -20 to +50°C ambient
- **Altitude:** 10,000 feet
- **Humidity:** 95% without condensation
- **Environmental:** Shock/Vibration MIL-STD-810G
- **Size:** 19” x 22” x 5.25”
- **Connectors:** N Female (Options: SMA and TNC)
- **Weight:** 40 lbs.

**OPTIONS:**

- RF Detectors
- RS232 Interface
- Integrated T/R Switch

Contact your local Comtech PST representative, or visit us at [www.comtechpst.com](http://www.comtechpst.com).

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SPECIFICATIONS ARE SUBJECT TO CHANGE

Certified for Public Release (CPST PRM-15-32a)