

Solid State Power Amplifier 6 to 18 GHz, 50 Watts MODEL BHE69189-50



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.
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SPECIFICATIONS ARE SUBJECT TO CHANGE
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