

# NEW PRODUCT RELEASE

## Solid State Power Amplifier

### 700 to 2300MHz, 200 Watts

### MODEL BHED78238-200

#### Features:

- High Power Output
- Instantaneous Multi-Octave Bandwidth
- Gallium Nitride (GaN) Technology
- Rugged Field Proven Construction
- Multi-Tone Capability
- Ethernet Interface
- Fast Noise Quieting Speed
- Class AB Amplifier
- Digital Display and Control



### Performance Specifications

- Frequency Range: 700 to 2300 MHz
- RF Power Output (P3dB): 200 Watts Minimum  
250 Watts Typical
- RF Input Power: 0dBm
- RF input Overdrive: +8 dBm Max.
- DC Bias: AB Linear
- Modulation Format: Multi-tone, CW, AM, FM, Pulse
- Input VSWR: 2.0:1 Typical
- Output Load VSWR: 2.0:1 Typical
- Harmonic: <-13 dBc Maximum
- IM Products: <-18 dBc Typical
- Spurious: <-50 dBc Maximum
- Stability: Open/Short Tested
- Fault Protection/Monitoring: Fault Indication (Over Temperature, Power Supply, VSWR Turn-down)

- Control Interface: Ethernet/RS-422
- PS On/Off: Low Volt. TTL
- AC Input: 100-265VAC  
50-60Hz 1-Phase
- Display: Digital Status and Control
- Noise Power Output:  
  Quieted: -150dBm/Hz Maximum  
  Transmit: -86dBm/Hz Typical
- RF Connectors: Type-N  
  RF Input/Output
- Operating Temperature: -10 to 50°C
- Environmental: Shock/Vibration MIL-STD-810G
- Size: 24" x 19" x 5.25"
- Weight: 60 lbs.

COMTECH PST proudly introduces its newest high power solid state RF amplifier available in the marketplace. Comtech's latest development expands on its proven innovative integrated RF GaN Power Amplifier designs by further increasing the RF power density, while improving overall operating efficiency. Consistent with its planned technology development roadmap, Comtech is leading the field with the latest in GaN-based RF device performance and advanced amplifier development. These highly integrated designs are ideal for use in communication, electronic warfare, and radar transmitter systems where self-contained full amplifier solutions are a necessity. Applications include ground (dismounted, mobile or fixed), surface, and airborne platforms.