

Solid State Power Amplifier

20 to 1000MHz

MODEL BHED2719-200

Features:

- Ultra Wideband Operation
- Rugged and Reliable
- Multi Modulation Input
- Class AB Linear
- ALC Loop
- Sample Ports (optional)



Performance Specifications

- Frequency Range: 20 to 1000MHz
- RF Power Out: 200 Watts Typical
- RF Input: 0 dBm; ± 3 dB Typical
- RF input Overdrive: 8 dBm Max.
- Class of Operation: AB Linear
- Modulation Format: Multi-tone, CW, AM, FM, SSB Pulse
- VSWR: 2.0:1 with 0.5dB turndown
3:0:1 and higher with appropriate turndown
- Harmonic Rejection: <-15 dBc Typical
- Spurious: <-60 dBc
- AM Distortion (85% DOM): 10% max
- Noise Power Output:
 - Transmit Mode: -86dBm/Hz typical
 - Receive Mode (NQ ON): -150dBm/Hz
- Noise Quieting Speed: 10 μ sec

- Control Interface: RS-422
- Local Indicators: Thermal Fault, Power On
- Internal Protection: Load VSWR; Overdrive: Over-Current; Thermal Overload
- Primary Power: 110/220VAC; 50/60Hz
- RF Connectors:
 - RF Input: N Type female
 - RF Output: N Type female
- Environmental:
 - Operating Temperature: -10° to +50°C
 - Operating Altitude: 10,000 feet
 - Shock/Vibration: MIL-STD-810G
- Size: 3U high (5.25")
- Weight: 90 lbs.

COMTECH PST proudly introduces the highest power solid state RF modules available in the marketplace today. 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 space, cooling, and power are limited. Applications include ground (dismounted, mobile or fixed), surface, and airborne platforms.