105 Baylis Road · Melville, NY USA 11747
Tel: +1 (631) 777-8900 • Fax: +1 (631) 777-8877
www.comtechpst.com

Solid State Power Amplifier
20 to 1000MHz
MODEL BHED2719-200

Features:

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

Performance Specifications

Frequency Range:	20 to 1000MHz
RF Power Out:	150 Watts Typical
Saturated Power:	200 Watts
RF Input:	0 dBm; ±3dB 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:	10µsec

Digital Display:	Forward Power, Reflected Power, Fault Status, VSWR, Thermal Fault, PA Status, PS Status
Control Interface:	RS-422, Ethernet
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 +55°C
Operating Altitude:	10,000 feet
Shock/Vibration:	MIL-STD-810G
Size:	5U high (8.75")
Weight:	60 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.