

Solid State Power Amplifier 20-1000 MHz

Model BHED2719-200



Overview

Stellant 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, Stellant 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.

Features

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

Specifications

• Frequency Range:	20 to 1000MHz	• Control Interface:	RS-422
• RF Power Out:	200 Watts Typical	• Local Indicators:	Thermal Fault, Power On
• RF Input::	0 dBm; +3dB Typical	• Internal Protection:	Load VSWR; Overdrive: Over
• RF input Overdrive:	8 dBm Max.	• Primary Power:	Current; Thermal Overload
• Class of Operation:	AB Linear	• RF Connectors:	110/220VAC; 50/60Hz
• Modulation Format:	Multi-tone, CW, AM, FM, SSB Pulse	• RF Input:	N Type female
• VSWR:	2.0:1 with 0.5dB turndown	• RF Output:	N Type female
	3:0:1 and higher with	• Environmental:	
	appropriate turndown	• Operating Temperature:	-10° to +50°C
• Harmonic Rejection:	<-15 dBc Typical	• Operating Altitude:	10,000 feet
• Spurious:	<-60 dBc	• Shock/Vibration:	MIL-STD-810G
• AM Distortion (85% DOM):	10% max	• Size:	3U high (5.25")
• Noise Power Output:		• Weight:	90 lbs.
Transmit Mode:	-86dBm/Hz typical		
Receive Mode (NQ ON):	-150dBm/Hz		
• Noise Quieting Speed:	10µsec		

Power Systems Technology (PST)

105 Baylis Road
Melville, NY 11747
T: 631-777-8900

417 Boston St.
Topsfield, MA 01983
T: 978-887-5754



www.Stellantsystems.com



For more information, contact

Sales-PST@Stellantsystems.com