

Solid State Power Amplifier

20-1000 MHz, 200 Watts — Model BHED2719-200

Stellant PST introduces high-power solid-state RF modules, advancing RF GaN amplifier efficiency and density. Designed for communication, electronic warfare, and radar systems, these compact, high-performance modules excel in ground (dismounted, mobile, or fixed), surface, and airborne applications where space, cooling, and power are limited.



KEY FEATURES

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

SPECIFICATIONS




Frequency Range	20-1000 MHz
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 0.5 dB 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	-86 dBm/Hz Typical
Receive Mode (NQ ON)	-150 dBm/Hz

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

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