

Solid State Power Amplifier

20-1000 MHz, 125 Watts – Model BHED2719-125

Stellant PST has announced the release of a solid state Class “AB” linear amplifier which operates over the full 20-1000 MHz frequency band and delivers a minimum of 125 watts. The amplifier uses the latest Gallium Nitride (GaN) technology and is packaged in a standard rack mountable enclosure.






SPECIFICATIONS

Frequency Range	20-1000 MHz	Digital Display	Forward Power, Reflected Power, Fault Status, VSWR, Thermal Fault, PA Status, PS Status
RF Power Out	125 Watts	Control Interface	RS-422, Ethernet
RF Input	0 dBm; +3dB Typical	Local Indicators	Thermal Fault, T/R Status, Power On
RF Input Overdrive	8 dBm Max	Internal Protection	Load VSWR; Overdrive; Over Current; Hot Switch; Thermal Overload
Class of Operation	AB Linear	Primary Power	110/220 VAC; 50/60 Hz
Modulation Format	Multi-tone/CW/AM/FM/SSB Pulse	RF Connectors	
VSWR	2.0:1 with 0.5 dB turndown 3.0:1 and higher with appropriate turndown	RF Input & Receive Ports	N Type Female
Harmonic Rejection	< -13 dBc Typical	RF Output	N Type Female
Spurious	< -60 dBc	Environmental	
AM Distortion (85% DOM)	10% Max	Operating Temperature	-10° to +55°C
Noise Power Output		Operating Altitude	10,000 ft
Transmit Mode	-86 dBm/Hz Typical	Shock/Vibration	MIL-STD-810G
Receive Mode (NQ ON)	-150 dBm/Hz	Size	5U high (8.75")
Noise Quieting Speed	10µsec	Weight	60 lbs

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