

Solid State Power Amplifier 20 to 1000 MHz, 300 Watts

Model BHED2719-125



Features

GaN Technology for Ultra Wideband Operation

- 20 – 1000MHz, 125W

Performance Specifications

• Frequency Range:	20 to 1000MHz	• Digital Display:	Forward Power, Reflected Power, Fault Status, VSWR, Thermal Fault, PA Status, PS Status
• RF Power Out:	125W	• 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:	110/220VAC; 50/60Hz
• Modulation Format:	Multi-tone, CW, AM, FM, SSB Pulse	• RF Connectors:	RF Input and receive Ports: N Type female RF Output: N Type female
• VSWR:	2.0:1 with 0.5dB turndown 3:0:1 and higher with appropriate turndown	• Environmental:	Operating Temperature: -10° to +55°C Operating Altitude: 10,000 feet Shock/Vibration: MIL-STD-810G
• Harmonic Rejection::	<-13 dBc Typical	• Size:	5U high (8.75")
• Spurious:	<-60 dBc	• Weight:	60 lbs.
• AM Distortion (85% DOM):	10% max		
• Noise Power Output:			
Transmit Mode:	-86dBm/Hz typical		
Receive Mode (NQ ON):	-150dBm/Hz		
• Noise Quieting Speed:	10µsec		

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