

C BAND BUC SERIES



SSUC-5856725-250/300400/600/800/1000

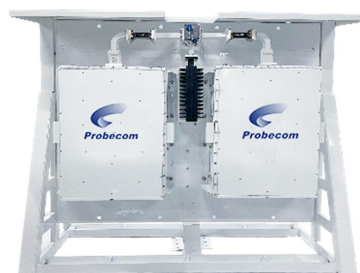
Excellent Performance

Probecom 250/300400/600/800/1000W C band power amplifiers have the ultra-high efficiency and superior performance unmatched in the industry and are suitable for satellite communication space station and ground station systems. The equipment adopts the industry's most advanced semiconductor chip technology and space synthesis technology, with more efficient power consumption characteristics and more lightweight physical structure.

Product Superiority

- High efficiency with low power consumption (GaN-Based)
- High reliability design, very low maintenance cost
- Compact、Rugged and Weatherproof Package
- 1:1、2:1 Redundancy Kits Available

Redundant System



Shaanxi Probecom Microwave Technology Co., Ltd

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Technical Specification

Power	250W	300W	400W	600W	800W	1000W
Output Frequency	5.85GHz~6.425GHz(5.85GHz~6.725GHzOptional)					
Input Frequency	950MHz~1525MHz(950MHz~1825MHz Optional)					
Reference Frequency(10MHz)	0dBm±5dB			Internal (optional)		
Small Signal Gain	≥70dB			≥75dB		
Gain Adjustment	20 dB in 1.0 dB steps					
Gain Flatness	±2.0dB(Full Band)/ ± 1.5dB(500MHz)/ ± 0.6dB (40MHz)					
Gain Variation (over temperature)	±1dB					
Rated Output Power(dBm)	54	54.8	56	57.8	59	60
Phase Noise	@100Hz -65dBc @1KHz -75dBc @10KHz -85dBc @100KHz -95dBc					
Output Spurious	-55dBc					
IM3	-25dBc @ 3 dB back-off from Rated Output Power with respect to each of two equal carriers 5 MHz apart					
Input VSWR	2:1					
Output VSWR	1.25:1					
Noise Power Density (Transmit)	-70dBw/4KHz(Max)					
Noise Power Density (Receive)	-150dBw/4KHz(Max)					
AC Power	+220VAC					
Power Consumption (@ Rated Output) (W)	1200	1500	2000	2500	3000	3500
Dimensions(L×W×H)mm	385×310×155		590×350×165		570×410×240	
Weight(kg)	20.0		28.0		45.0	
RF Connector	Input: N-female Output: WR-137					
Power Interface	3-Pin AC					
Monitor & Control	19-Pin MIL Circular Connector (Ethernet/RS 485)					
Operating Temperature	-40°C ~ +60°C					
Storage Temperature	-55°C ~ +85°C					
Relative Humidity	100%					
Waterproofing	IP-66					

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