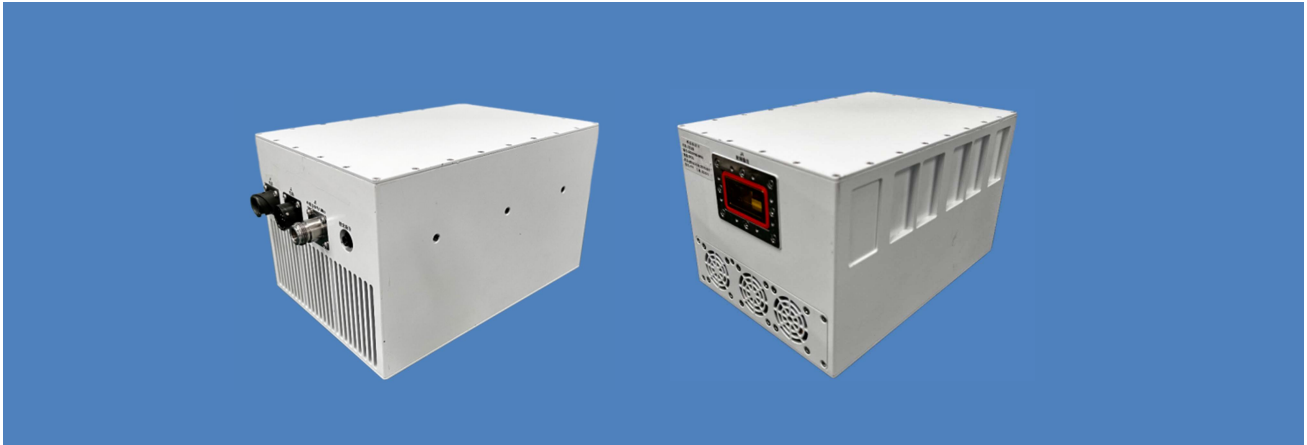


C BAND 100W BUC



SSUC-5856425-100

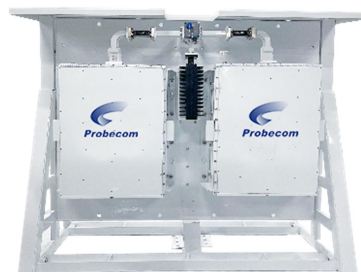
Excellent Performance

Probecom C band 100W 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



Technical Specification

Shaanxi Probecom Microwave Technology Co., Ltd

ADD: Floor 12, Inland Port Mansion, Xi'an International Trade and Logistic Park, Xi'an, Shaanxi, China

<http://www.probecom.cn> <http://www.probecom.com>

Tel: 0086 29 88451625, 0086 29 88451755 Fax: 0086 29 88860260 E-mail: sales@probecom.cn, sales@probecom.com

Power	100W
Output Frequency	5.85GHz~6.425GHz
Input Frequency	950MHz~1525MHz
Reference Frequency(10MHz)	External 0dBm±5dB
Small Signal Gain	75dB
Gain Adjustment	20 dB in 1.0 dB steps
Gain Flatness	±1.5dB(Full Band 575MHz)/±0.6dB (40MHz)
Gain Variation (over temperature)	±1dB
Rated Output Power(dBm)	50
Phase Noise	@100Hz -63dBc @1KHz -73dBc @10KHz -83dBc @100KHz -93dBc
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	1.8:1
Output VSWR	1.3:1
Noise Power Density (Transmit)	-76dBw/Hz(Max)
Noise Power Density (Receive)	-151dBw/Hz(Max)
AC Power	+220VAC
Power Consumption (@ Rated Output) (W)	350
Dimensions(L×W×H)mm	230x160x135
Weight(kg)	8.0
RF Connector	Input: N-female Output: WR-137
Power Interface	3-Pin AC
Monitor & Control	10-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

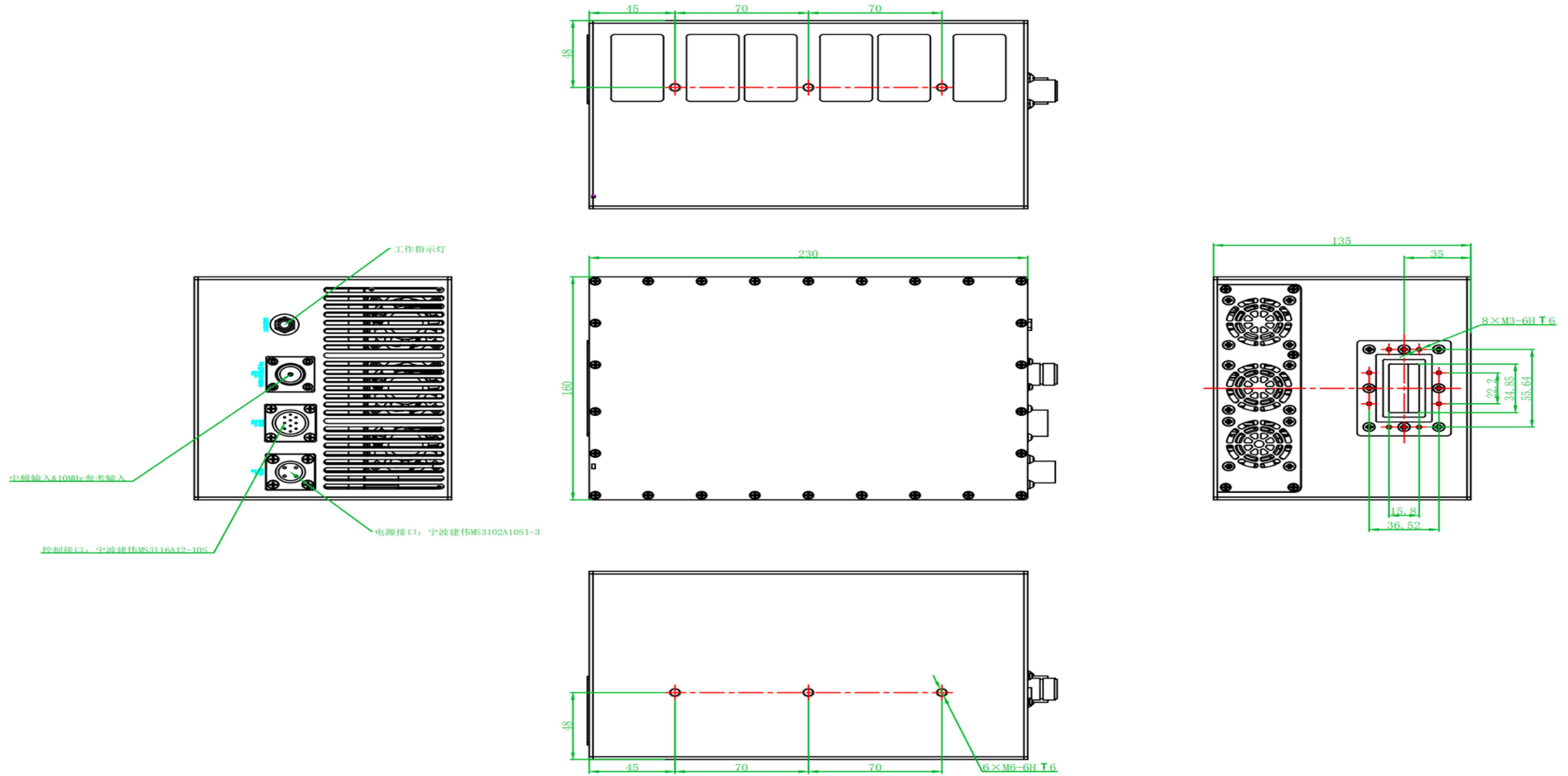
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Outline Dimension: (Unit: mm)



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