C-BAND SSPB 500W 5.725-6.425 GHZ SOLID STATE POWER BUC



C-band SSPB 500W, output frequency 5.725-6.425 GHz, 75 dB gain, low phase noise, GaN solid-state design with forced-air cooling. Ideal for teleport stations, gateways and broadcast uplinks. Psat 56 dBm, LO 4.75 GHz, IF range 975-1675 MHz

RF Characteristics	
Power	500 W
RF Output at Psat	56 dBm
RF Output at Plin	53 dBm
Frequency Band	Lower C
Output Frequency Range	5.725–6.425 GHz (Lower C)
Input Frequency Range	975–1675 MHz
Local Oscillator Frequency	4.75 GHz
Output Spurious	-55 dBc max
Spectral Re-growth	-30 dBc @ Plinear
Third Order IMD	-25 dBc

Gain & Linearity

Linear Gain	75 dB Nominal
Gain Control	20 dB in 0.1 dB steps
Gain Stability Over Temp	±2.0 dB max
Gain Variation at fixed temp	±2.0 dB over full band; ±0.5 dB over 40 MHz

Reference & Phase Noise	
10 MHz Reference	0 dBm ±5 dB
Phase Noise	-63 dBc/Hz @100 Hz; -73 dBc/Hz @1 kHz

Interfaces	
Input Impedance	50 Ohms
Output VSWR	1.50:1
RF Output Interface	CPR 137G (Grooved)
IF Input	N-Type Female, 50 Ohms
Connectors	DC: MS3102R14S-9P; AC: MS3102R14S-7P; M&C: MS3112E1419P; Redundancy: MS3112E14-19S (Optional)

Power	
Power Consumption (AC)	1500 W
Cooling	Forced Air

Mechanical	
Dimensions (L×W×H)	139 × 298 × 489 mm
Weight	26 kg

Environmental	
Operating Temperature	-40…+55 °C
Storage Temperature	-40…+75 °C
Humidity	0–100% (condensing)
Altitude	10,000 ft ASL

Taking into consideration that we (UMT LLC) are developer and system integrator, also do not stop on our technical growth and improvement, know that view of all our devices and equipment including their technical parameters may be different from pictures presented on website and parameters listed on each device webpage.

Note! All details customer has to confirm in advance during ordering and before payment. Those parameters that were not specified and / or were not agreed while ordering will be implemented as basic at the discretion of the manufacturer. Each our customer has 1.5 year warranty and 7 year aftersales support for whole range of our products.