

KU-BAND SSPB 200 W SOLID STATE POWER BUC (12.75–13.25 GHZ)

Ku-band SSPB 200 W solid-state power BUC covering 12.75–13.25 GHz with 75 dB gain and low phase noise. GaN-based outdoor amplifier for Lower Ku-band VSAT, teleports and broadcast uplinks. Psat 53 dBm, LO 11.80 GHz, IF 950–1450 MHz.

RF Characteristics		
Power	200 W	
RF Output at Psat	53 dBm	
RF Output at Plin	50 dBm	
Output Frequency Range	12.75–13.25 GHz (Lower Ku)	
Input Frequency Range	950–1450 MHz	
Local Oscillator Frequency	11.80 GHz	
Output Spurious	-55 dBc max	
Spectral Re-growth	-30 dBc @ Plinear	
Third order IMD	-25 dBc (two carriers, 3 dB backoff)	
Gain & Linearity		
Linear Gain	75 dB Nominal	
Gain Control	20 dB in 0.1 dB steps	

Gain Stability Over	±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 @100 Hz; -73 @1 kHz; -83 @10 kHz	
Interfaces		
Input Impedance	50 Ohms	
Output VSWR	1.50:1	
RF Output Interface	WR75G (Grooved)	
IF Input	N-Type Female, 50 Ohms	
Connectors	DC: MS3102R14S-9P; AC: MS3102R14S-7P; M&C: MS3112E1419P; Redundancy: MS3112E14-19S (Optional)	
Power & Cooling		
Power Consumption (AC)	1200 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.