KU-BAND SSPB 50W 13.75–14.50 GHZ SOLID STATE POWER BUC

Ku-band SSPB 50W solid state power BUC, 13.75–14.50 GHz, 70 dB gain, low phase noise, GaN design with forced air cooling. Ideal for Ku-band VSAT, teleports, and broadcast uplinks. Psat 47 dBm, LO 12.80 GHz, IF 950–1700 MHz.

RF Characteristics	
Power	50 W
RF Output at Psat	47 dBm
RF Output at Plin	44 dBm
Output Frequency Range	13.75–14.50 GHz
Input Frequency Range	950–1700 MHz
Local Oscillator Frequency	12.80 GHz
Output Spurious	-55 dBc max
Spectral Re-growth	-30 dBc @ Plinear
Third order IMD	-25 dBc
Gain & Linearity	
Linear Gain	70 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	-103 dBc/Hz @1 MHz; -113 dBc/Hz @10 MHz
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	350 W
Cooling	Forced Air
Mechanical	
Dimensions (L×W×H)	198 × 120 × 111 mm
Weight	3.65 kg
Environmental	

Operating Temperature	-40…+55 °C
Storage Temperature	-40…+75 °C
Humidity	0–100%
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.*