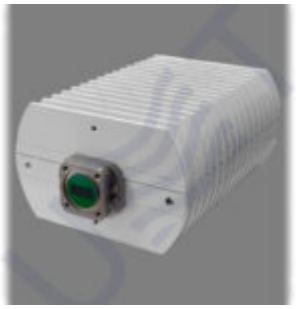
BUC-KU20-11.8 V1.5



BUC-Ku20-11.8-v.2 is block up-converter with fixed output power P1dB **20 W** (ALC power: 2000 mW) and LO of **11.8 GHz**.

Our BUC operates with up to **25 carriers** and has built-in reference of **10 MHz**;

and **ALC** with 25 dB range;

+ **LED status** indication at the rear side.

Input parameters:	
Input Frequency range	950 – 1950 MHz
Input impedance	50 Ohm
Input level, max	-15 dBm
Input VSWR, max	1.5
Input interface	N-type Female
ALC rage, min	25 dB
ALC threshold level	-30 dBm
Local Oscilator:	
LO frequency	11800 MHz

LO Phase noise:	
@1 kHz	-80 dBc/Hz
@10 kHz	-85 dBc/Hz
@100 kHz	-100 dBc/Hz
LO instability	± 2 ppm
Output parameters:	
Output frequency range	12750 – 13750 MHz
Output Power @P1dB	20 W
ALC Output Power	2000 mW
Gain, min	63 dB
IMD3 level at ALC Output Power, max	-37 dBc
Output interface	Waveguide WR75, Flange PBR120
Output VSWR, max	2
Frequency Response:	
Flatness over Full Band	±1.5 dB
Spurious:	
In-band @P1dB, max	-55 dBc
Out-Band, max	-30 dBm
LO leakage at ALC output power, max	-40 dBm
Image rejection, min	60 dB
Power supply:	

Input voltage	18 VDC – 30 VDC, nominal 24 VDC
Power consumption, max	45 W
Environmental:	
Operating temperature	-40 to +50 (-40 to +122)
Storage temperature	-60 to +80 (-76 to +176)
Operating humidity	100%, non-condensing
Mechanical:	
Dimensions (W x H x D)	146x97x225 mm
Weight	2.95 kg

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.*