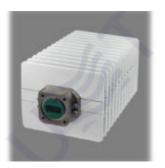


BUC-KU02-11.3 V2.0



BUC-Ku02-11.3 is block up-converter with fixed output power P1dB **2 W** (ALC power: 200 mW) and LO of **11.3 GHz**.

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

and **ALC** with 25 dB range;

IP Ctrl (by order)

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

Input parameters:		
Input frequency range	950 – 1950 MHz	
Input impedance	50 Ohm	
Input level, max	-12 dBm	
Input VSWR, max	1.5	
Input interface	N-type Female	
ALC range, min	25 dB	
ALC threshold level	-30 dBm	
Local oscilator:		

LO frequency11300 MHzLO phase noise:80 dBc/Hz@1 kHz80 dBc/Hz@10 kHz85 dBc/Hz@100 kHz100 dBc/Hz[010 kHz100 dBc/HzLO instability2 ppmOutput pawer @P1dB2250 – 13250 MHzALC output power200 mWGain, min53 dBIMD3 level at ALC output power, max37 dBcOutput SWR, max2	
@1 kHz80 dBc/Hz@10 kHz85 dBc/Hz@100 kHz100 dBc/HzIo instability2 ppmCutput parameters12250 – 13250 MHzOutput frequency range12250 – 13250 MHzOutput power @P1dB2 WALC output power30 mWGain, min53 dBIMD3 level at ALC output power, max37 dBcOutput interfaceWaveguide WR75, Flange PBR120	
@10 kHz-85 dBc/Hz@100 kHz-85 dBc/Hzintermediate	
@100 kHz.100 dBc/HzLO instability± 2 ppmOutput parawerser	
LO instability ± 2 ppm Output parawers: Output frequency range 12250 – 13250 MHz Output power @P1dB 200 mW ALC output power Gain, min 53 dB IMD3 level at ALC output power, max 51 dBc Mussel at ALC output power, max 400 mm Mussel at ALC output power 400 mm Mussel at ALC ou	
Output parameters: Output frequency range 12250 – 13250 MHz Output power @P1dB 2 W ALC output power 200 mW Gain, min 53 dB IMD3 level at ALC output power, max 37 dBc Output interface Waveguide WR75, Flange PBR120	
Output frequency range12250 – 13250 MHzOutput power @P1dB2 WALC output power200 mWGain, min53 dBIMD3 level at ALC output power, max-37 dBcOutput interfaceWaveguide WR75, Flange PBR120	
Output power @P1dB2 WALC output power200 mWGain, min53 dBIMD3 level at ALC output power, max-37 dBcOutput interfaceWaveguide WR75, Flange PBR120	
ALC output power 200 mW Gain, min 53 dB IMD3 level at ALC output power, max -37 dBc Output interface Waveguide WR75, Flange PBR120	
Gain, min 53 dB IMD3 level at ALC output power, max -37 dBc Output interface Waveguide WR75, Flange PBR120	
IMD3 level at ALC output power, max -37 dBc Output interface Waveguide WR75, Flange PBR120	
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 – 30 VDC, nominal 24 VDC
Power consumption, max	15 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)	104x89x157 mm
Weight	1.15kg

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.