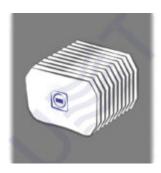


## **CUSTOMIZED K-BAND BUC**



3 easy steps to obtain special development from our company:

- 1. Click button "request/customized".
- 2. Fill needed parameters.
- 3. Wait for our reply.
- P.S. We will reply you as soon as possible after query processing in accordance to our business hours.

Input parameters		
Input frequency range, MHz	950 – 1450	
Input impedance, Ohm	50	
Input level, max, dBm	-2	
Input VSWR, max	1.5	
Input interface	N-type, female	
ALC range, min, dB	25	
ALC threshold level, dBm	-27	
Local oscillator		
LO frequency, GHz	18.75	
LO phase noise, dBc/Hz :		

@1 kHz	-80	
@10 kHz	-85	
@100 kHz	-100	
LO instability, ppm	± 2	
Output parameters		
Output frequency range, GHz	19.7-20.2	
Output power @P1dB, W	4	
ALC output power, mW	400	
Gain, min, dB	47	
IMD3 level at ALC output, dBc power, max	-37	
Output interface	waveguide WR42, flange PBR220	
Output VSWR, max	2	
Frequency response		
Flatness over Full Band, dB	± 1.5	
Spurious		
In-band P1dB, max, dBc	-55	
Out-Band, max, dBm	-30	
LO leakage at ALC output, dBm power, max	-40	
Image rejection, min, dB	60	
Power supply		
Input voltage, VDC	18-30 (nominal 24)	

Power consumption, max, W	4	
Environmental		
Operating temperature, <sup>o</sup> C	-40 +50	
Storage temperature, <sup>o</sup> C	-60 +80	
Operating humidity, %	100 (non-condensing)	
Mechanical		
Dimensions (W x H x D), mm	121×118×88	
Weight, kg	1.25	

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.