

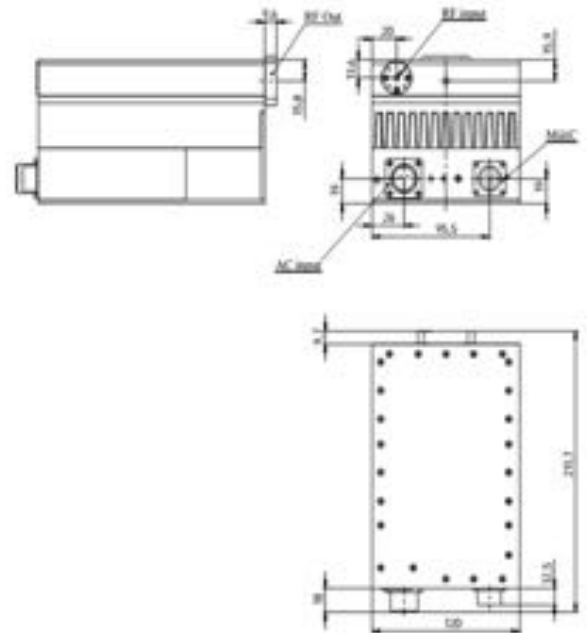
**20 W BUC KU BAND**

Model Type: **20KU001A**

**This device is suitable for various satellite applications.**  
The BUC performs the translation of the input signal from L Band to Ku Band and do the amplifies of the input signal up to 20W.

**MECHANICAL AND GENERAL SPECIFICATION**

IF input interface	F type connector
RF Out interface	WR75
AC/DC Voltage	80-240 VCA, optional 36-70 VDC
Power Consumption	200W
Weight	4 Kg
Dimension	215 x 120 x 110 mm
Operating temperature	-40°C ÷ +55°C
Relative humidity	Up to 98%
Water protection	IP67





## TECHNICAL SPECIFICATION

<b>BUC Input characteristics</b>		
Frequency	950 ÷ 1700 MHz	
Return loss	15dB min	
<b>BUC Output characteristics</b>		
Frequency	13.75 ÷ 14.50 GHz	
Return loss	15 dB min	
<b>Transfer characteristics</b>		
Gain flatness	±0.5 dB max (over 40MHz BW)	
Gain variation over temperature	±1.5 dB max (digital compression)	
<b>Spurious outputs</b>		
Carrier independent	-55 dBc max	
LO leakage	-42 dBm max	
Local Oscillator	12.8 / 13.05 GHz (switchable)	
Phase Noise	@100Hz	- 68 dBc/Hz
	@1KHz	- 78 dBc/Hz
	@10KHz	- 88 dBc/Hz
	@100KHz	- 100 dBc/Hz
<b>General</b>		
Internal reference	10MHz sine-wave	
Reference signal level	-5 to 5dBm @50ohm	
Gain stability	±0.5dB / day @ constant temperature max	
Group delay	<10 ns over any 80MHz band max	
Output power	43 dBm (@1dB compression point)	