



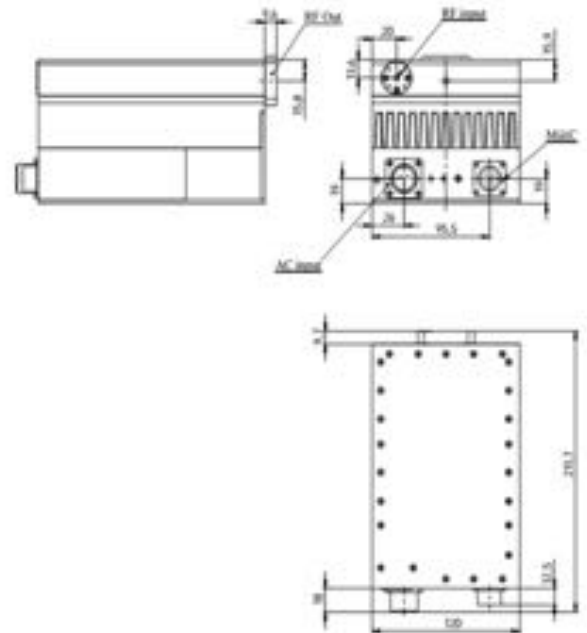
**25 W BUC KU BAND**

Model Type: **25KU001A**

**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 25W.

**MECHANICAL AND GENERAL SPECIFICATION**

IF input interface	F type connector
RF Out interface	WR75
AC/DC Voltage	36-70 VDC (nominal 48V) 180-240 VAC optional
Power Consumption	200W
Weight	5 Kg
Dimension	215 x 120 x 110 mm
Operating temperature	-40°C ÷ +55°C
Relative humidity	Up to 98%





## 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>		
Output power		44 dBm (@1dB compression point)
Gain		65 dB min.
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		12800 MHz or on request 13005 MHz
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