

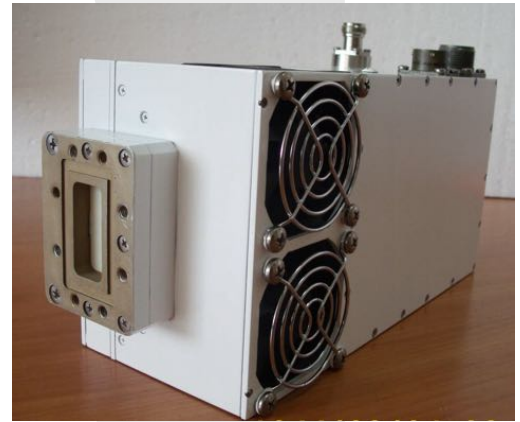
**C-BAND BUC**

Model Type: **20-40-60WBUC C-BAND**

The Antech Space C-band BUC are available from 20 up to 60 W of power

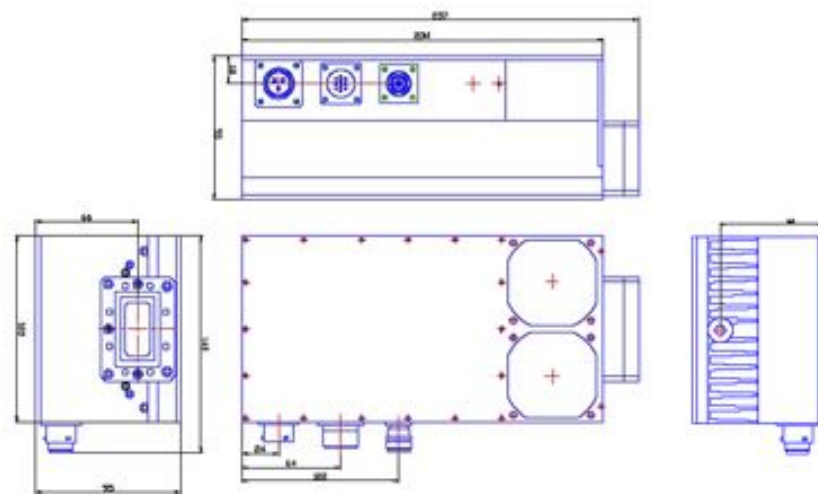
**Key Features:**

- 5.85 GHz - 6.725 GHz output frequency
- Equipment has high efficiency, low power consumption and high reliability
- Low power consumption (300W max)
- Auto-ranging powering option 80-240 VAC
- Digital temperature compensation
- Power and lock status LED
- Advanced M&C RS-232/485, FSK (optional), Ethernet (optional)
- RoHS compliant
- Three-year warranty



**LED ALARM (to LEDs installed)**

LED indicator	●	BUC Power out enabled
LED indicator	●	BUC Power out disabled (mute)
LED indicator	●	SUMMARY ALARM
No LED illumination		No power supply voltage



**SPECIFICATION**

Gain	65 dB min
Gain flatness	± 2.0 dB
Spurious	< -50 dB
RF Output Flange	CPR137
Weight	6 Kg





## SPECIFICATION

Output Frequency Range	5.850 – 6.725 GHz
Input Frequency Range	950 – 1825 MHz
LO Frequency	4900 MHz
RF Output Power @ P1dB	43/46/48 dBm
Input level range without damage	-50 dBm up to 0 dBm
IF Input Interface	N type - 50 Ohm
Phase Noise	< -60 dBc/Hz @ 100 Hz < -75 dBc/Hz @ 1 KHz < -85 dBc/Hz @ 10 KHz < -95 dBc/Hz @ 100 KHz
External Reference	10 MHz sine wave
Ref Input Level	-5 to +5 dBm @ 50 ohm
Shut off BUC in case of LO unlocked	Internal
AC Power supply	AC 110/220V nom (90-120/180-240V) 50/60Hz
Power consumption	250 / 300W
Operating Temperature	-40° C up to 50° C
Relative Humidity	up to 100% (water proof design)
Dimensions	257 x 140 x 95 mm

## CONNECTOR PIN ASSIGNMENT

Connector Name	Type	Pin #	Signal	Parameter
J1 "IF IN"	N/F-type female field replace-able	N/A	IF Input 10 MHz Ref. IN	-0 dBm, Max +5 dBm
J2 "RF OUT"	CPR-137	N/A	RF Output	47 dBm
J3 "AC POWER IN"	97-3100A-14S-7P 3 pin male	A	Line (AC)	90 - 120VAC 180 - 240VAC
		B	Ground	
		C	Neutral (AC)	
J4 "M&C Interface"	PT02E12-10P-027 10 pin male	A	Rx+ In	RS-485
		B	Rx- In	
		C	Tx+ Out	
		D	Tx- Out	
		E	Detector	Optional
		F	Alarm Out	Low when alarm
		G	GND	
		H	Mute In	Muted when Low
		J	Rx In	RS-232
K	Tx Out			

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