

## BUC-C200



BUC-C200

200

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LED

- Outdoor SSPA with integrated BUC
- Compact, Lightweight Package
- M&C capability via RS232, Ethernet
- High linearity

### Input parameters:

Input Frequency range	950 – 1525 MHz
Input impedance	50 Ohm
Input VSWR, max	1.5
Input interface	N-type Female

### Local Oscillator:

LO frequency	4900 MHz	
LO Phase noise:	@1 kHz	-75 dBc/Hz
	@10 kHz	-85 dBc/Hz
	@100 kHz	-95 dBc/Hz

### Output parameters:

Output frequency range		5850 – 6425 MHz
Output Power (GaN)	$P_{\text{sat}}$	53 dBm
	$P_{\text{linear}}$	50 dBm
Gain, min		76 dB
IMD3 (two tones)		-25 dBc max 2 signal 5 MHz apart at $P_{\text{linear}}$
Output interface		WR137-G (Waveguide Flange)
Output VSWR, max		2.0:1

### Frequency Response:

Flatness over Full Band		$\pm 2$ dB (4 dB p-p max)
Gain flatness 40 MHz		$\pm 0.5$ dB
External frequency		10 MHz
Power range ref.		$\pm 5$ dBm

### Spurious:

In-band $P_{\text{linear}}$ , max		-50 dBc
Out-Band, max		-60 dBc
LO leakage, max		-40 dBm
Image rejection, min		60 dB

### Power Supply:

Input voltage		110 – 265VAC, 47-63Hz
Power consumption, max		< 800 W

### Environmental:

Operating temperature	-20 to +50
Operating humidity	0 – 95 %
<b>Interfaces:</b>	
IF input connector: N-type female; RF output connector: WR137-G	
AC connector: PQ14-3; Monitor & Control connector: FQ24-19	
Monitor & Control: Serial RS-232, Step Attenuator, Ethernet	
LED indicator: Green – OK, Red – Alarm, blink Yellow – MUTE	
<b>Mechanical:</b>	
Dimensions	333x155x121 mm
Weight, max	11 kg

(UMT LLC)

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