

# C-BAND BUC

## C-band Block Up Converter



Upcom Technologies' line of Solid State Block Up Converters fills a market need for a reliable low-cost all-in-one satellite amplifier and converter package.

It can be used for video, data and voice applications over satellite. High reliability is a key factor in this design allowing for years of maintenance free operation field proven in the most remote areas of the world.

- **SSPA BASED**
- **INTEGRATED UPCONVERTER, (SAME UNIT)**
- **AC UNIVERSAL POWER INPUT**
- **INTERNAL OR EXTERNAL 10MHz (OPTION)**
- **AVAILABLE IN 12W, 20W, 40W, 60W, 80W, 100W, 125W and 200W**
- **3 YEAR WARRANTY!**

Model	UC-12C	UC-20C	UC-40C	UC-60C	UC-80C	UC-100C	UC-125C	UC-200C
Output Power @ P1dB min	12W	20W	40W	60W	80W	100W	125W	200W
Gain, dB min.	70dB	70dB	70dB	70dB	80dB	80dB	80dB	80dB
1dB Compression Point	41dBm	43dBm	46dBm	47.8dBm	49dBm	50dBm	51dBm	53dBm
Power Consumption	150W	300W	450W	550W	600W	750W	850W	1200W

<b>Output Range:</b>	5.850 to 6.425 GHz (others optional)	<b>IF Input (L-band):</b>	Type N Connector
<b>Input Range:</b>	950 to 1525 MHz	<b>RF Output (C-Band):</b>	CPR-137 Grooved
<b>Gain Flatness over 50MHz:</b>	+/-1.0dB max. at room temperature	<b>M&amp;C:</b>	RS-485/RS-232 or analog
<b>Gain Flatness full band</b>	+/-2.75dB max. at room temperature	<b>Altitude:</b>	Up to 10,000ft
<b>Gain Variation</b>	+/-2.5dB max. at operating temperature	<b>Temperature:</b>	Operating Temperature: -40° to +55°C Storage Temperature: -55° to +85°C
<b>Input VSWR:</b>	2.0:1 max.	<b>Humidity:</b>	100% considering 2" rain per hour
<b>Output Return Loss:</b>	-17dB max.	<b>Shock and Vibration:</b>	Equal to mobile van or stationary rack.
<b>Spurious at Rated Power:</b>	-50dBc max	<b>AC Power:</b>	85VAC to 220VAC 50/60Hz
<b>Third Order IMD:</b>	-34dBc max @ 7dB back off		
<b>Output Phase Noise:</b>	@1KHz : -70dBc/Hz @ 10KHz : -80dBc/Hz @ 100KHz : -90dBc/Hz		

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