

# EXT. KU-BAND BUC

## Extended KU Block Up Converter



Upcom Technologies' line of Extended Ku Solid State Block Up Converters fills a market need for a reliable low-cost satellite amplifier and converter package in non-standard frequencies. 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**
- **AC UNIVERSAL POWER INPUT**
- **MODULAR DESIGN**
- **AVAILABLE IN 25W, 32W, 40W, 50W, 80W and 100W**
- **2 YEAR WARRANTY!**

Model	UC-25XKU	UC-32XKU	UC-40XKU	UC-50XKU	UC-80XKU	UC-100XKU
Output Power (PSAT)	25W	32W	40W	50W	80W	100W
Gain, dB min.	73dB	73dB	76dB	76dB	76dB	77dB
Power Consumption	250W	350W	600W	610W	650W	650W

<b>Output Range:</b>	13.75-14.50GHz
<b>Input Range:</b>	950 to 1800 MHz
<b>Gain Flatness over 50MHz:</b>	+/-1.0dB max. at room temperature
<b>Gain Flatness full band</b>	+/-2.5dB max. at room temperature
<b>Gain Variation</b>	+/-1.5dB max. at operating temperature
<b>Input VSWR:</b>	2.0:1 max.
<b>Output Return Loss:</b>	-17dB max.
<b>Spurious at Rated Power:</b>	-50dBc max
<b>Third Order IMD:</b>	-30dBc max @ 7dB back off
<b>Output Phase Noise:</b>	@1KHz : -75dBc/Hz @ 10KHz : -80dBc/Hz @ 100KHz : -90dBc/Hz
<b>IF Input (L-band):</b>	Type N Connector
<b>RF Output (Ku-Band):</b>	WR-75 Grooved

<b>M&amp;C:</b>	RS-485/RS-232 or analog
<b>Altitude:</b>	Up to 10,000ft
<b>Temperature:</b>	Operating Temperature: -40° to +55°C Storage Temperature: -55° to +85°C
<b>Humidity:</b>	98%
<b>Shock and Vibration:</b>	Equal to mobile van or stationary rack.
<b>AC Power:</b>	85VAC to 220VAC 50/60Hz

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