

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 10W, 20W, 30W, 40W and 60W**
- **3 YEAR WARRANTY!**

Model	UC-2XKU	UC-4XKU	UC-10XKU	UC-20XKU	UC-30XKU	UC-40XKU
Output Power	2W	4W	10W	20W	30W	80W
Gain, dB min.	60dB	60dB	70dB	73dB	73dB	76dB
1dB Compression Point	31dBm	34dBm	39dBm	42dBm	44dBm	46dBm
Power Consumption	100W	120W	150W	250W	350W	600W

Output Range:	13.75-14.50GHz or 12.75 to 13.5 GHz	M&C:	RS-485/RS-232 or analog
Input Range:	950 to 1800 MHz	Altitude:	Up to 10,000ft
Gain Flatness over 50MHz:	+/-1.0dB max. at room temperature	Temperature:	Operating Temperature: -40° to +55°C Storage Temperature: -55° to +85°C
Gain Flatness full band	+/-2.5dB max. at room temperature	Humidity:	98%
Gain Variation	+/-1.5dB max. at operating temperature	Shock and Vibration:	Equal to mobile van or stationary rack.
Input VSWR:	2.0:1 max.	AC Power:	85VAC to 220VAC 50/60Hz
Output Return Loss:	-17dB max.		
Spurious at Rated Power:	-50dBc max		
Third Order IMD:	-30dBc max @ 7dB back off		
Output Phase Noise:	@1KHz : -75dBc/Hz @ 10KHz : -80dBc/Hz @ 100KHz : -90dBc/Hz		
IF Input (L-band):	Type N Connector		
RF Output (Ku-Band):	WR-75 Grooved		

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