

KU-BAND BUC

Ku-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 10W, 16W, 25W, 40W and 80W**
- **3 YEAR WARRANTY!**

Model	UC-10KU	UC-16KU	UC-25KU	UC-40KU	UC-80KU
Output Power @ P1dB min	10W	16W	25W	40W	80W
Gain, dB min.	60dB	70dB	70dB	80dB	80dB
1dB Compression Point	40dBm	42dBm	44dBm	46dBm	49dBm
Power Consumption	120W	250W	350W	600W	1200W

Output Range:	14.00 to 14.50 GHz (others optional)	M&C:	RS-485/RS-232 or analog
Input Range:	950 to 1450 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:	100% considering 2" rain per hour
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 (C-Band):	WR-75 Grooved		

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