

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**
- **AC UNIVERSAL POWER INPUT**
- **INTERNAL OR EXTERNAL 10MHz (OPTION)**
- **AVAILABLE IN 16W, 25W, 40W, 50W, 80W and 100W**
- **2 YEAR WARRANTY!**

Model	UC-16KU	UC-25KU	UC-40KU	UC-50KU	UC-80KU	UC-100KU
Output Power (PSAT)	16W	25W	40W	50W	80W	100W
Gain, dB min.	70dB	70dB	80dB	80dB	80dB	80dB
Power Consumption	250W	350W	600W	1000W	1200W	1300W

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		

UPCOM Technologies Inc.

2033 Gateway Place, 5th Floor, San Jose, California 95110

Phone: 1.408.329.4158 • Fax: 1.408.329.4159 • E-mail: sales@upcom.com

web : www.upcom.com

