

KU-BAND-SSPA

Ku-Band Solid State Amplifier



Upcom Technologies' line of Solid State Amplifiers 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**
- **AVAILABLE IN 10W, 16W, 25W, 40W and 80W**
- **3 YEAR WARRANTY!**

Model	UC-25KU	UC-32KU	UC-40KU	UC-50KU	UC-80KU
Output Power @ P1dB min	25W	32W	40W	50W	80W
Gain, dB min.	60dB	70dB	70dB	80dB	80dB
1dB Compression Point	44dBm	45dBm	46dBm	47dBm	49dBm
Power Consumption	150W	300W	350W	600W	1200W

Output Range:	13.75 to 14.50 GHz (others optional)	M&C:	RS-485/RS-232 or analog
Gain Flatness over 50MHz:	+/-1.0dB max. at room temperature	Altitude:	Up to 10,000ft
Gain Flatness full band	+/-2.5dB max. at room temperature	Temperature:	Operating Temperature: -40° to +55°C Storage Temperature: -55° to +85°C
Gain Variation	+/-1.5dB max. at operating temperature	Humidity:	100% considering 2" rain per hour
Input VSWR:	2.0:1 max.	Shock and Vibration:	Equal to mobile van or stationary rack.
Output Return Loss:	-17dB max.	AC Power:	85VAC to 220VAC 50/60Hz
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		
RF Input (KU-Band):	WR-75 Grooved		
RF Output (KU-Band):	WR-75 Grooved		

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