

# 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 25W, 32W, 40W, 50W, 80W and 100W**
- **2 YEAR WARRANTY!**

Model	UC-25KU	UC-32KU	UC-40KU	UC-50KU	UC-80KU	UC-100KU
Output Power (PSAT)	25W	32W	40W	50W	80W	100W
Gain, dB min.	60dB	70dB	70dB	80dB	80dB	80dB
Power Consumption	150W	300W	350W	600W	1200W	1200W

<b>Output Range:</b>	14 to 14.50 GHz (others optional)	<b>M&amp;C:</b>	RS-485/RS-232 or analog
<b>Gain Flatness over 50MHz:</b>	+/-1.0dB max. at room temperature	<b>Altitude:</b>	Up to 10,000ft
<b>Gain Flatness full band</b>	+/-2.5dB max. at room temperature	<b>Temperature:</b>	Operating Temperature: -40° to +55°C Storage Temperature: -55° to +85°C
<b>Gain Variation</b>	+/-1.5dB max. at operating temperature	<b>Humidity:</b>	100% considering 2" rain per hour
<b>Input VSWR:</b>	2.0:1 max.	<b>Shock and Vibration:</b>	Equal to mobile van or stationary rack.
<b>Output Return Loss:</b>	-17dB max.	<b>AC Power:</b>	85VAC to 220VAC 50/60Hz
<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>RF Input (KU-Band):</b>	WR-75 Grooved		
<b>RF Output (KU-Band):</b>	WR-75 Grooved		

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