

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. This equipment 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 and field proven in the most remote areas of the world.

ADVANTAGES

- Self Contained unit
- Low Maintenance
- Monitoring & Control
- Easy Operation & Deployment
- Very Cost Effective

APPLICATIONS

- Broadcast
- Broadcast Contribution
- DSNG
- Production Testing
- Data Communications
- SCPC, MCPC, TDMA.

MODELS

Model	UC-25XKU	UC-32XKU	UC-40XKU	UC-50XKU	UC-80XKU	UC-100XKU
Output Power @ P1dB min	25W	32W	40W	50W	80W	100W
Gain, dB min.	60dB	70dB	70dB	80dB	80dB	80dB
Power Consumption	150W	300W	350W	600W	1200W	1200W

SPECIFICATIONS

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

KEY FEATURES

- SSPA BASED
- AC UNIVERSAL POWER INPUT
- AVAILABLE IN 25W, 32W, 40W, 50W, 80W AND 100W
- TWO YEAR FACTORY WARRANTY

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