

“Low Cost” Ku-Band Block Up Converters

KMIC Technology's Ku-Band Up Converter is designed to translate a block of L-Band frequencies up to Ku-Band frequencies.

Our Ku-Band Block Up Converter can be customized to meet specific customer needs suitable for both Commercial and Military communication applications.

>> Features

- Phase Locked to Internal or External 10MHz Reference
- Low Phase Noise (meets MIL-STD-188-164A, IESS 308/309)
- Low Power Consumption
- High Performance in a Compact Size
- Excellent Stability and Reliability
- Optional 5, 10 and 20 Watt Versions Available



PARAMETER	SPECIFICATION
Input Frequency	950 to 1700 MHz
Output Frequency	13.75 to 14.50 GHz
Gain	15 dB min.
Gain Flatness	+/- 1.00 dB max. over full band
Output Power (P-1dB)	+5 dBm min.
Output Spurious	-65 dBc max. Signal Related
	-80 dBc max. Non-Signal Related
Noise Figure	15 dB max. @25C
Local Oscillator Frequency	12.8 GHz (11.8 GHz, 13.05 GHz)
Output Phase Noise	1KHz: -78 dBc/Hz
	10KHz: -89 dBc/Hz
	100KHz: -103 dBc/Hz
External Frequency Reference	10 MHz
Supply Voltage	+15 to +24 Vdc @ 350 mA max.
Operating Temperature	-30 to +70 Degree C
Dimension (L x W x H)	3.96" x 2.44" x 1.17"