

Ku band Up Converter

RF performance

Input frequency range	950-1450 MHz (1) / 950-1700 MHz (2)
Operating frequency range	12.75-13.25 GHz (1) / 13.75-14.50 GHz (2)
Gain	15 dB
Gain flatness	<2 dB p-p
Gain variation over temperature	±1 dB over full operating range
Attenuation adjustment range	25 dB in 0,25 dB step
Input VSWR	≤1.5:1
Output VSWR	≤1.3:1
Phase noise	-65 dBc/Hz at 100 Hz, -75 dBc/Hz at 1 kHz, -85 dBc/Hz at 10 kHz, -95 dBc/Hz at 100 kHz
External ref. freq. & phase noise	10 MHz, 0 dBm ±3 dB (TX IF port multiplexed) -135 dBc/Hz at 100 Hz, 144 dBc/Hz at 1 kHz, -155 dBc/Hz at 10 Hz
Output P1dB	15 dBm
Spurious	-60 dBc max @5 dBm
Harmonics	≤60 dBc

Power Supply

Input voltage	90-264 VAC, 50-60 Hz
Power consumption	40 W @ Output P1dB

Interfaces & Physical

Dimensions (L x W x H)	360 x 286 x 64 mm
Weight	5 Kg
Interfaces	RF Input (L-band + Ref Signal): N-type (f) RF Output: SMA (f) M&C: UT0016-19SH Power supply: RT00144PNH

Monitor & Control

Remote control	RS-485
Hardware control	OL / Reference / Mute / Output transmission (On/Off) / Sum alarm
Monitor parameters	Input power / Output power / Temperature
Internal self protection	Temperature (>70 °C)

Environmental

Operating temperature	-30 °C to +55 °C
Storage temperature	-40 °C to +85 °C
Humidity	100 % condensing



KEY FEATURES

- * Highly efficient
- * Compact design
- * Weatherproof

OPTIONS

- * High stability internal reference
- * Ethernet port
- * Internal reference dedicated port
- * Extended temperature range: -40 °C to +55 °C
- * Redundant configurations (1:1, 1:2)