

SATCOM RECEIVER

LNB

Ku Tx-band PLL LNB R1314I



TYPICAL SPECIFICATIONS

Noise Figure	0.95dB typ. @ 23°C	Spurious	
LO stability	±10KHz	In-band	-50dBm max
Phase noise	-73dBc/Hz @1KHz -83dBc/Hz @10KHz -95dBc/Hz @100KHz	Out-band	-50dBm max
Input VSWR	2.2 : 1	LO leakage @WG input port	-50dBm max
Output VSWR	2.2 : 1	Image rejection	40dBc min
Conversion gain	55dB typ	DC voltage / current	+13 to +24 V / 250mA
Gain flatness	±2dB max over full band ±0.75dB max over 40MHz	Input waveguide	WR-75
Output P1dB	+5dBm min	Output connector	N-female, F-female
IP3	+15dBm min	Dimension	105(L) x 60(W) x 40(H) mm
RF input level	-30dBm max	Weight	400g
		Operating temperature	-40 to 60°C

FREQUENCY BANDS AVAILABLE

	Option 1	Option 2	Option 3	Option 4
RF freq. (GHz)	13.03 - 14.03	13.53 - 14.53	13.75 - 14.75	14.00 - 14.50
LO freq. (GHz)	12.08	12.58	12.8	13.05
IF freq. (MHz)	950 - 1950	950 - 1950	950 - 1950	950 - 1450

HOW TO ORDER Ku TX-BAND PLL LNB

R1314IN-1

Frequency band	1, 2, 3, 4
Output connector	N: 50Ω, F: 75Ω
10MHz reference	I: Internal PLL
Frequency	1314: 13.03 - 14.75 GHz
R: LNB series	

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OUTLINE DRAWING

