

SATCOM RECEIVER

LNB

Ku-band EXT LNB

R1000X



TYPICAL SPECIFICATIONS

Noise Figure	0.7 to 0.9 dB	Spurious	
LO stability	phase locked to external reference	Signal related	-50dBc max @-10dBm
Phase noise	-75dBc @1KHz -80dBc @10KHz -95dBc @100KHz	Power supply related	-50dBc max @-10dBm
Input VSWR	2.2 : 1	Harmonics	-30dBc max @-10dBm
Output VSWR	2.0 : 1	LO leakage (Input)	-50dBm max
Conversion gain	60dB typ	Image rejection	40dBc min
Gain flatness	±2dB max	DC voltage / current	+12 to +24 V / 200mA
Output P1dB	+5dBm min	Input waveguide	WR-75
IP3	+15dBm min	Output connector	N-female, F-female
External reference	10MHz, -5 to +5dBm	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

	A band	A1 Band	A2 Band	A3 Band	B band	B1 Band	B2 Band	B3 Band	C band	C1 Band	D band	E band
RF (GHz)	11.70-12.20	11.70-12.20	11.70-12.60	11.70-12.75	12.25-12.75	12.20-12.70	12.20-12.75	12.00-12.75	10.95-11.70	10.70-11.70	11.45-11.95	11.45-12.20
LO (GHz)	10.75	10.678	10.75	10.75	11.30	11.25	11.25	11.05	10.00	9.75	10.50	10.50
IF (MHz)	950-1450	1022-1.522	950-1850	950-2000	950-1450	950-1450	950-1500	950-1700	950-1700	950-1950	950-1450	950-1700

HOW TO ORDER Ku-BAND EXT LNB

R1008XAF

Output connector	N: 50Ω, F: 75Ω
Frequency band	A, A1, A2, A3, B, B1, B2, B3, C, C1, D, E
10MHz reference	X: External reference
Noise figure	07: 0.7dB 08: 0.8dB 09: 0.9dB
R1: Ku-band LNB series	

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OUTLINE DRAWING

