

SATCOM RECEIVER

LNB

X-band EXT LNB R7000X, R8000X



TYPICAL SPECIFICATIONS

Noise Figure	0.7 to 0.9 dB	RF input level	-30dBm max
LO stability	phase locked to external reference	Spurious	
Phase noise	-65dBc/Hz @100Hz -75dBc/Hz @1KHz -85dBc/Hz @10KHz -95dBc/Hz @100KHz -110dBc/Hz @1MHz	Signal related	-50dBc max @-10dBm
Input VSWR	2.0 : 1	Power supply related	-50dBc max @-10dBm
Output VSWR	2.0 : 1	Harmonics	-40dBc max @-10dBm
Conversion gain	60dB typ	LO leakage (Input)	-50dBm max
Gain flatness	±2dB max	Image rejection	40dBc min
Output P1dB	+15dBm min	DC voltage / current	+13 to +24 V / 350mA
IP3	+25dBm min	Input waveguide	WR-112
External reference	10MHz, -5 to +5 dBm	Output connector	N-female, F-female
		Dimension	114.0(L) x 65.6(W) x 47.0(H) mm
		Weight	600g
		Operating temperature	-40 to +60°C

FREQUENCY BANDS AVAILABLE

	R7000X	R8000X
RF freq. (GHz)	7.25 - 7.75	7.90 - 8.40
LO freq. (GHz)	6.30	6.95
IF freq. (MHz)	950 - 1450	950 - 1450

HOW TO ORDER X-BAND EXT LNB

R7008XF

Output connector	 N: 50Ω, F: 75Ω
10MHz reference	 X: External reference
Noise figure	 07: 0.7dB 08: 0.8dB 09: 0.9dB
R7, R8: X-band LNB series	

SATCOM RECEIVER**OUTLINE DRAWING**