

SATCOM RECEIVER

LNB

Ka Penta-band EXT LNB RP9000X-1



TYPICAL SPECIFICATIONS

Noise figure	2.5dB max @+23°C	Spurious	
LO stability	Phase locked to external reference	Signal related	-50dBc max @-10dBm
Phase noise	-60dBc/Hz @100Hz -70dBc/Hz @1KHz -78dBc/Hz @10KHz -93dBc/Hz @100KHz	Power supply related	-50dBc max @-10dBm
Input VSWR	1.35 : 1	Harmonics	-50dBc max @-10dBm
Output VSWR	2.2 : 1	Image rejection	Band-1: 40dBc min Band-2: 25dBc min Band-3: 0dBc min Band-4: 0dBc min Band-5: 0dBc min
Conversion gain	60dB typ (55 to 65dB)	Switching voltage	Band-1: +13V Band-2: +13V / 22KHz Tone Band-3: +18V Band-4: +18V / 22KHz Tone Band-5: +22V
Gain flatness	4.5dBp-p max	DC voltage / current	+12 to +24 V / 400mA
Output P1dB	+10dBm min	Input waveguide	WR-42
IP3	+15dBm min	Output connector	N-female, F-female
External reference	10MHz, -5 to +5 dBm	Dimension	151.8(L) x 70(W) x 39(H) mm
RF input level	-30dBm max	Weight	550g
LO leakage (Input)	-60dBm max	Operating temperature	-40 to 60°C

FREQUENCY BANDS AVAILABLE

	Band-1	Band-2	Band-3	Band-4	Band-5
RF freq. (GHz)	17.20 - 18.20	18.20 - 19.20	19.20 - 20.20	20.20 - 21.20	21.20 - 22.20
LO freq. (GHz)	16.20	17.20	18.20	19.20	20.20
IF freq. (MHz)	950 - 1950	950 - 1950	950 - 1950	950 - 1950	950 - 1950

HOW TO ORDER Ka PENTA-BAND EXT LNB

RP9025X-1F

* Other frequency bands can be available upon request.

Output connector N: 50Ω, F: 75Ω
 10MHz reference X: External reference
 Noise figure 25: 2.5dB
 RP9: Ka Penta-band LNB series

SATCOM RECEIVER**OUTLINE DRAWING**