

SATCOM RECEIVER

LNB

Ka Tri-band EXT LNB

RT9000XA3A4B2



TYPICAL SPECIFICATIONS

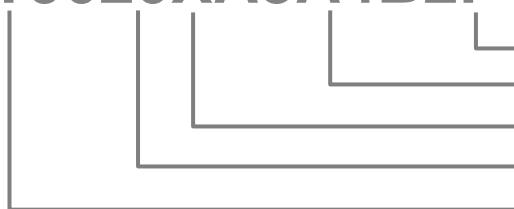
Noise figure	1.6dB max	Spurious	
LO stability	Phase locked to external reference	Signal related	-60dBc max @-10dBm
Phase noise	-60dBc/Hz @100Hz -70dBc/Hz @1KHz -80dBc/Hz @10KHz -90dBc/Hz @100KHz	Power supply related	-50dBc max @-10dBm
Input VSWR	3.0 : 1	Harmonics	-50dBc max @-10dBm
Output VSWR	2.0 : 1	Image rejection	Band-1: 40dBc min Band-2: 30dBc min Band-3: 0dBc min
Conversion gain	65dB typ	Switching voltage	Band-1: +13V Band-2: +18V Band-3: +13V / 22KHz Tone
Gain flatness	±2dB max	DC voltage / current	+12 to +19 V / 400mA
Output P1dB	+5dBm min	Input waveguide	WR-42
IP3	+15dBm min	Output connector	N-female, F-female
External reference	10MHz, -5 to +5 dBm	Dimension	114(L) x 70(W) x 39(H) mm
RF input level	-30dBm max	Weight	500g
LO leakage (Input)	-50dBm max	Operating temperature	-40 to 60°C

FREQUENCY BANDS AVAILABLE

	Band-1 (A3)	Band-2 (A4)	Band-3 (B2)
RF freq. (GHz)	17.3 - 18.3	18.3 - 19.3	19.3 - 20.2
LO freq. (GHz)	16.35	17.35	18.35
IF freq. (MHz)	950 - 1950	950 - 1950	950 - 1850

HOW TO ORDER Ka TRI-BAND EXT LNB

RT9020XA3A4B2F



* Other frequency bands can be available upon request.

- Output connector N: 50Ω, F: 75Ω
- Frequency band A3, A4, B2
- 10MHz reference X: External reference
- Noise figure 20: 2.0dB
- RT9: Ka Tri-band LNB series

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OUTLINE DRAWING

