

SATCOM RECEIVER

LNB

Ku Quad-band EXT LNB RQ1000X



TYPICAL SPECIFICATIONS

Noise Figure	0.8 dB	Image rejection	Band 1: 40dBc min Band 2: 40dBc min Band 3: 20dBc min Band 4: 10dBc min
LO stability	phase locked to external reference	LO leakage (Input)	-60dBm max
Phase noise	-73dBc/Hz @1KHz -78dBc/Hz @10KHz -100dBc/Hz @100KHz -110dBc/Hz @1MHz	Switching voltage	Band-1: +13V Band-2: +13V / 22KHz Tone Band-3: +18V Band-4: +18V / 22KHz Tone
Input VSWR	2.2 : 1	Tone condition	Frequency: 22KHz $\pm$ 4KHz Amp: 0.6 ± 0.2 V Duty Cycle: 50% $\pm$ 10%
Output VSWR	2.0 : 1	DC voltage / current	+12 to +19 V / 350mA
Conversion gain	55dB typ	Input waveguide	WR-75
Gain flatness	$\pm$ 2dB max	Output connector	N-female, F-female
Output P1dB	+15dBm min	Dimension	121(L) x 69(W) x 40(H) mm
IP3	+25dBm min	Weight	480g
External reference	10MHz, -5 to +5 dBm	Operating temperature	-40 to 60°C
RF input level	-30dBm max		
Spurious			
Signal related	-50dBc max @-10dBm		
Power supply related	-50dBc max @-10dBm		
Harmonics	-30dBc max @-10dBm		

FREQUENCY BANDS AVAILABLE

	Band-1	Band-2	Band-3	Band-4
RF freq. (GHz)	10.70 - 11.70	10.95 - 11.70	11.70 - 12.75	12.25 - 12.75
LO freq. (GHz)	9.75	10.00	10.75	11.30
IF freq. (MHz)	950 - 1950	950 - 1700	950 - 2000	950 - 1450

HOW TO ORDER Ku QUAD-BAND EXT LNB

RQ1008XF

* Other frequency bands can be available upon request.

Output connector N: 50Ω, F: 75Ω

10MHz reference X: External reference

Noise figure 08: 0.8dB

RQ1: Ku Quad-band LNB series

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OUTLINE DRAWING

