

SATCOM RECEIVER

LNB

Ku Quad-band PLL LNB RQ1000I



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	±5 to ±25 KHz	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 ±4KHz Amp: 0.6±0.2 V Duty Cycle: 50%±10%
Output VSWR	2.0 : 1	DC voltage / current	+12 to +19 V / 350mA
Conversion gain	55dB typ	Input waveguide	WR-75
Gain flatness	±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
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 PLL LNB

RQ1208IF

	* Other frequency bands can be available upon request.
Output connector	N: 50Ω, F: 75Ω
10MHz reference	I: Internal PLL
Noise figure	08: 0.8dB
LO stability	1: ±5KHz 2: ±10KHz 3: ±25KHz
RQ1:	Ku Quad-band LNB series

SATCOM RECEIVER

OUTLINE DRAWING

