

SATCOM RECEIVER

LNB

Ku Dual-band EXT LNB M-RD1000X



TYPICAL SPECIFICATIONS

Noise Figure	0.9 dB @+23°C	Spurious	
LO stability	phase locked to external reference	Signal related	-45dBc max @ -5dBm
Phase noise	-63dBc/Hz @100Hz -70dBc/Hz @1KHz -80dBc/Hz @10KHz -90dBc/Hz @100KHz -120dBc/Hz @1MHz -120dBc/Hz @10MHz	Power supply related	-45dBc max @ -5dBm
Input VSWR	1.9 : 1	Harmonics	-30dBc max @ -5dBm
Output VSWR	2.0 : 1	LO leakage (Input)	-70dBm max
Conversion gain	65dB typ	Image rejection	50dBc min (Band-1) 40dBc min (Band-2)
Gain flatness	±3dB max	Switching voltage	+13V (Band-1), +18V (Band-2)
Output P1dB	+10dBm min	DC voltage / current	+11.5 to +14.0 V (Band-1) +16.0 to +19.0 V (Band-2) / 400mA typ
IP3	+20dBm min	Input waveguide	WR-75
External reference	10MHz, -5 to +5dBm	Output connector	N-female, F-female, SMA-female
RF input level	-30dBm max	Dimension	103(L) x 54(W) x 40(H) mm
		Weight	360g
		Operating temperature	-54 to +71°C

FREQUENCY BANDS AVAILABLE

Sub-band	Band-1			Band-2
	C	C1	D	A3
RF freq. (GHz)	10.95 - 11.70	10.70 - 11.70	11.45 - 11.95	11.70 - 12.75
LO freq. (GHz)	10.00	9.75	10.50	10.75
IF freq. (MHz)	950 - 1700	950 - 1950	950 - 1450	950 - 2000

HOW TO ORDER Ku DUAL-BAND EXT LNB

M-RD1009XCA3N

* Other frequency bands can be available upon request.

Output connector	 N : 50Ω, E : 75Ω, S (SMA): 50Ω
Frequency band	 C/C1/D (Band-1), A3 (Band-2)
10MHz reference	 X : External reference
Noise figure	 09 : 0.9dB
Product	 RD1 : Ku Dual-band LNB series
Application	 M : Mobile application

SATCOM RECEIVER**OUTLINE DRAWING**