

SATCOM RECEIVER

LNB

Ka-band Auto Ref LNB R9000A-O3b



TYPICAL SPECIFICATIONS

Noise figure	1.5dB max	Spurious	
LO stability	±10, ±25, ±50 KHz in PLL	Signal related	-60dBc max @-10dBm
Phase noise	-60dBc/Hz @100Hz -70dBc/Hz @1KHz -80dBc/Hz @10KHz	Power supply related	-50dBc max @-10dBm
		Harmonics	-50dBc max @-10dBm
Input VSWR	2.0 : 1	LO leakage (Input)	-37dBm max
Output VSWR	2.0 : 1	Image rejection	40dBc min
Conversion gain	58dB typ	DC power	+12 to +24 V
Gain flatness	±2dB max	DC current	300mA
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	104(L) x 60(W) x 39(H) mm
RF input level	-30dBm max	Weight	450g
		Operating temperature	-40 to 60°C

FREQUENCY BANDS AVAILABLE

	O3b-A band	O3b-B band
RF freq. (GHz)	17.852 - 18.588	18.372 - 19.3
LO freq. (GHz)	16.8	17.4
IF freq. (MHz)	1052 - 1788	972 - 1900

HOW TO ORDER Ka-BAND AUTO REF LNB

R9215AN-O3bA

Frequency band	O3b-A, O3b-B
Output connector	N: 50Ω, F: 75Ω
10MHz reference	A: Automatic switch to internal PLL when Ext. Ref. is not available
Noise figure	15: 1.5dB
LO stability	2: ±10KHz 3: ±25KHz 4: ±50KHz
R9	Ka-band LNB series

SATCOM RECEIVER**OUTLINE DRAWING**