

SATCOM RECEIVER

LNB

Ka Dual-band O3B LNB RD9000A-O3B



TYPICAL SPECIFICATIONS

Noise figure	1.5dB max @room temp	Spurious	
L.O. stability	±1.5ppm in PLL	In-band	-60dBc max @-10dBm
Phase noise	-60dBc/Hz @100Hz -70dBc/Hz @1KHz -80dBc/Hz @10KHz	Out-band	-50dBc max @-10dBm
Reference phase noise	-145dBc @1KHz	(Including Harmonics)	
Input return loss	10dB min	LO leakage (Input)	-37dBm max
Output return loss	10dB min	Image rejection	40dBc min
Conversion gain	58dB (typ)	Output impedance	50Ω
Gain flatness	±1.5dB over any 216MHz	Switching voltage	13V(BandA), 18V(BandB)
Output P1dB	+5dBm min	DC voltage / current	+11 to +26 V / 350mA
IP3	+15dBm min	Input waveguide	WR42
		Output connector	N (Female)
		Dimension	114(L) x 70(W) x 39(H) mm

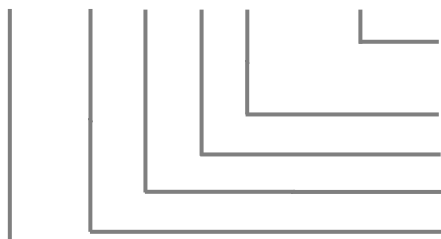
Automatic switch to internal PLL when Ext. Ref. is not available.

FREQUENCY BANDS AVAILABLE

	O3B-A	O3B-B
Frequency Band	17.852 ~ 18.588 GHz,	18.372 ~ 19.300 GHz
LO Frequency	16.8GHz	17.4GHz
IF Frequency	1052 ~ 1788 MHz,	972 ~ 1900 MHz

HOW TO ORDER KA DUAL-BAND AUTO REF LNB, RD9000A

RD9215AN-O3B



RD9: Ka Dual-band LNB

- Switchable between
- O3B-A:** 17.852-18.588 GHz (13V)
- O3B-B:** 18.372-19.300 GHz (18V)
- Connector..... N : 50Ω
- Auto Reference
- Noise figure..... 15 : 1.5dB
- L.O Stability.....2 : ±25KHz
- 5 : ±50KHz

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OUTLINE DRAWING

