

**SATCOM RECEIVER**

# LNB

## Ka Dual-band EXT LNB RD9000XBC



### TYPICAL SPECIFICATIONS

<b>Noise figure</b>	1.5dB max @room temp	<b>Spurious</b>	
<b>L.O. stability</b>	Phase locked to External Reference	<b>In-band</b>	-60dBc max @-10dBm
<b>Phase noise</b>	-60dBc/Hz @100Hz -70dBc/Hz @1KHz -80dBc/Hz @10KHz -90dBc/Hz @100KHz	<b>Out-band</b>	-50dBc max @-10dBm
<b>Input VSWR</b>	2.2 : 1	<b>(Including Harmonics)</b>	
<b>Output VSWR</b>	2.0 : 1	<b>LO leakage (Input)</b>	-37dBm max.
<b>Conversion gain</b>	58dB (typ)	<b>Image rejection</b>	40dBc min.
<b>Gain flatness</b>	±2.0dB over each band	<b>Switching voltage</b>	13V(Band1), 18V(Band2)
<b>Output P1dB</b>	+5dBm	<b>DC voltage / current</b>	+11 to +26 V / 350mA
<b>IP3</b>	+15dBm min	<b>Input waveguide</b>	WR-42
<b>External reference</b>	10MHz, -5 to +5 dBm	<b>Output connector</b>	N:50Ω, F:75Ω
		<b>Dimension</b>	114(L) x 70(W) x 39(H) mm
		<b>Weight</b>	500g
		<b>Operating Temperature</b>	-40 to +60°C

### FREQUENCY BANDS AVAILABLE

	A1-band	A2-band	A-band	B-band	C-band	D-band
RF Freq.(GHz)	17.30-17.80	18.30-18.80	18.20-19.20	19.20-20.20	20.20-21.20	21.20-22.20
LO Freq.(GHz)	16.35	17.35	17.25	18.25	19.25	20.25
IF Freq. (MHz)	950-1450	950-1450	950-1950	950-1950	950-1950	950-1950

### HOW TO ORDER KA DUAL-BAND EXT LNB, RD9000X

## RD9015XBCN



RD9: Ka Dual-band LNB

- Connector..... F : 75Ω, N : 50Ω
- Frequency band..... Switching between bands (\* A1-B1, A-B-C-D)
- External Reference
- Noise figure..... 15 : 1.5dB

\* Other frequency bands can be available upon request.

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### OUTLINE DRAWING

