



# LNB

## KA-BAND EXT REF

### 9000X-4



### TYPICAL SPECIFICATIONS

<b>Noise Figure</b>	1.6 dB max
<b>LO Stability</b>	Phase Locked to External Reference
<b>Phase Noise</b> (Depends on External Reference)	-70 dBc at 1 kHz -80 dBc at 10 kHz -95 dBc at 100 kHz
<b>Gain</b>	60 dB typ., 55 dB min. @ full frequency band
<b>Output P1dB</b>	+5 dBm min
<b>DC Power</b>	+12V to +24V DC

<b>Current</b>	400 mA
<b>Input (waterproof)</b>	WR-42 waveguide
<b>Output (waterproof)</b>	F-connector (75 ohm) N (Optional) (50 ohm)
<b>Dimensions</b>	118 x 60 x 45 (L x W x H)
<b>Weight</b>	450 g
<b>Operating Temperature</b>	-30 ~ +60°C
<b>Storage Temperature</b>	-40 ~ +80°C
<b>Ext Ref Frequency</b>	10 MHz (sine-wave), -5 to +5 dBm

### FREQUENCY BANDS AVAILABLE

Frequency Bands	9000XA-4	9000XB-4	9000XC-4	9000XD-4	9000XE-4
<b>Input Frequency</b>	18.2 ~ 19.2 GHz	19.2 ~ 20.2 GHz	20.2 ~ 21.2 GHz	21.2 ~ 22.2 GHz	17.2 ~ 18.2 GHz
<b>LO Frequency</b>	17.25 GHz	18.25 GHz	19.25 GHz	20.25 GHz	16.25 GHz
<b>IF Frequency</b>	950 ~ 1950 MHz	950 ~ 1950 MHz	950 ~ 1950 MHz	950 ~ 1950 MHz	950 ~ 1950 MHz

### HOW TO ORDER

## 9000XAN-4



N - Optional N-Connector

- A: 18.2-19.2 GHz
- B: 19.2-20.2 GHz
- C: 20.2-21.2 GHz
- D: 21.2-22.2 GHz
- E: 17.2-18.2 GHz

Version 4

### MECHANICAL DIAGRAM

