



## LNB

### KA-BAND QUAD-BAND PLL 9000HI4-4



#### TYPICAL SPECIFICATIONS

<b>Noise Figure (@ +25°C)</b>	2.0 dB max.	<b>Gain Ripple (@per Channel)</b>	+/- 1 dBp-p max.
<b>L.O. Stability (@ over temp.)</b>	+/- 10 KHz	<b>1 dB Gain Compression Point</b>	+10 dBm min.
<b>Conversion Gain</b>	58 to 65 dB	<b>Leakage (@ Input Port)</b>	-60 dBm max.
<b>Gain Flatness (each band)</b>	4 dBp-p max.	<b>Required Current</b>	350 mA max.
<b>Phase Noise</b>	-63 dBc/Hz (@ 100 Hz)	<b>Input waveguide flange</b>	WR-42 grooved
	-73 dBc/Hz (@ 1 kHz)	<b>IF Output Connector</b>	F-connector (75 ohm) N (Optional) (50 ohm)
	-80 dBc/Hz (@ 10 kHz)	<b>Dimensions</b>	156 (L) x 67 (W) x 37 (H) mm (6.1 x 2.6 x 1.5 in)
	-95 dBc/Hz (@ 100 kHz)	<b>Weight</b>	550g / 19.4 oz
<b>Input VSWR</b>	1.3 : 1 max.	<b>Operating Temperature</b>	-40 ~ +60°C
<b>Output VSWR</b>	2.0 : 1 max.	<b>Storage Temperature</b>	-40 ~ +80°C
<b>Image Rejection</b>	40 dBc @ band 1 25 dBc @ band 2 0 dBc min. @ other bands	<b>Relative Humidity</b>	0 ~ 100% RH

#### FREQUENCY BANDS AVAILABLE

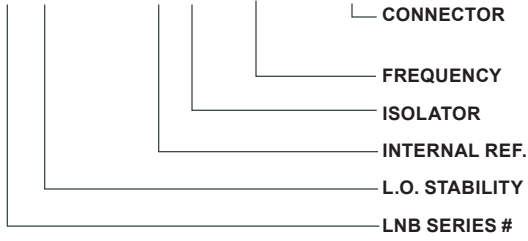
Model Number	Input Frequency (GHz)	L.O. (GHz)	Control Signal
<b>EC</b>			
Band 1	17.20 to 18.20	16.25	13V / no tone
Band 2	18.20 to 19.20	17.25	13V / 22 kHz
Band 3	19.20 to 20.20	18.25	18V / no tone
Band 4	20.20 to 21.20	19.25	18V / 22 kHz
<b>AD</b>			
Band 1	18.20 to 19.20	17.25	13V / no tone
Band 2	19.20 to 20.20	18.25	13V / 22 kHz
Band 3	20.20 to 21.20	19.25	18V / no tone
Band 4	21.20 to 22.20	20.25	18V / 22 kHz

**Buy Now!**



# HOW TO ORDER

## 9100HI4ADN-4



F - 75 Ohm  
N - 50 Ohm  
AD or EC

1: ±10kHz

# MECHANICAL DIAGRAM

