



# LNB

## KA-BAND 5 BAND PLL

### 9000H5



### SPECIFICATIONS

<b>Noise Figure</b>	2.5 dB typ., 2.9 dB max. - no isolator @ CF 2.6 dB typ., 3.0 dB max. - with isolator @ CF
<b>L.O. Stability</b>	± 10 KHz max.
<b>Phase Noise (SSB) max.</b>	-70 dBc/Hz at 1 kHz -78 dBc/Hz at 10 kHz -93 dBc/Hz at 100 kHz
<b>Input VSWR</b>	3.5 : 1 max. - no isolator 1.5 : 1 max. - with isolator
<b>Output VSWR</b>	2.2 : 1 max.
<b>Gain</b>	60 dB typ., 55 dB min., 65 dB max.
<b>Gain Flatness (each band)</b>	≤ 4 dB p-p
<b>Output P1dB</b>	+ 10 dBm min.

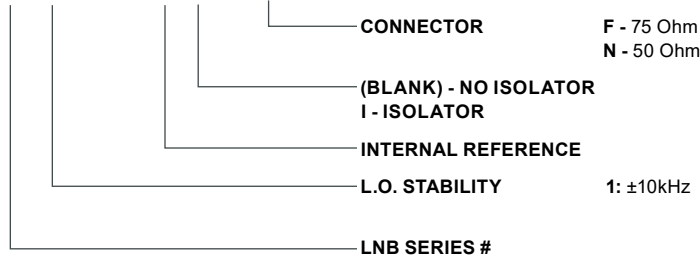
<b>DC Power</b>	+ 12V to + 24V DC (see below for Band Select)
<b>Current</b>	500mA
<b>Input (waterproof)</b>	WR-42 waveguide grooved
<b>Output (waterproof)</b>	F-Connector (75 Ohm) N-Connector (50 Ohm)
<b>Dimensions (L x W x H)</b>	137mm x 67mm x 39mm (5.4 in x 2.6 in x 1.5 in) - no isolator 156 mm x 67 mm x 39 mm (6.1 in x 2.6 in x 1.5 in) - with isolator
<b>Weight</b>	550 g (19.4 oz)
<b>Operating Temperature</b>	- 40 to +60°C
<b>Storage Temperature</b>	- 40 to +80°C

### FREQUENCY BANDS

	<b>Band 1</b> (13V)	<b>Band 2</b> (13V / 22 kHz Tone)	<b>Band 3</b> (18V)	<b>Band 4</b> (18V / 22 kHz Tone)	<b>Band 5</b> (22V)
<b>Frequency Band (GHz)</b>	17.20 - 18.20	18.20 - 19.20	19.20 - 20.20	20.20 - 21.20	21.20 - 22.20
<b>L.O. Frequency (GHz)</b>	16.25	17.25	18.25	19.25	20.25
<b>IF Frequency (MHz)</b>	950 - 1950	950 - 1950	950 - 1950	950 - 1950	950 - 1950

### HOW TO ORDER

## 9100H5N



### MECHANICAL DIAGRAM

