



# LNB KA DUAL-BAND PLL 9000HA/D-4



### TYPICAL SPECIFICATIONS

<b>Noise figure</b>	1.6 dB max. (1.8 dB max. 9000HCD-4)
<b>L.O. stability</b>	± 25 kHz, ± 50 kHz
<b>Phase noise (SSB) max</b>	-70dBc at 1kHz -78dBc at 10kHz -95dBc at 100kHz
<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>	400mA

<b>Input (waterproof)</b>	WR-42 waveguide
<b>Output (waterproof)</b>	F-connector (75 ohm) N-connector (optional) (50 ohm)
<b>Dimensions</b>	118mm (L) x 60mm (W) x 45mm (H)
<b>Weight</b>	450 g
<b>Operating Temperature</b>	-40 to + 60°C
<b>Storage Temperature</b>	-40°C to +80°C

### FREQUENCY BANDS AVAILABLE

	<b>9000HAB-4</b>	<b>9000HBC-4</b>	<b>9000HCD-4</b>
<b>Frequency band (GHz)</b>	18.2-19.2; 19.2-20.2	19.2-20.2; 20.2-21.2	20.2-21.2; 21.2-22.2
<b>L.O. frequency (GHz)</b>	17.25 @ 13VDC 18.25 @ 18VDC	18.25 @ 13VDC 19.25 @ 18VDC	19.25 @ 13VDC 20.25 @ 18VDC
<b>IF frequency (MHz)</b>	950-1950	950-1950	950-1950

### HOW TO ORDER

## 9200HABN-4

<b>CONNECTOR</b>	N – Optional N-connector
<b>FREQUENCY</b>	<b>AB:</b> 18.2-19.2 GHz; 19.2-20.2 GHz <b>BC:</b> 19.2-20.2 GHz; 20.2-21.2 GHz <b>CD:</b> 20.2-21.2 GHz; 21.2-22.2 GHz
<b>LO STABILITY</b>	2: ± 25 kHz 5: ± 50 kHz
<b>LNB SERIES #</b>	Version 4

### MECHANICAL DIAGRAM

