



# LNB

## KU DUAL-BAND PLL

### 1000HDF-2



### TYPICAL SPECIFICATIONS

<b>Noise figure</b>	0.8 dB typ
<b>L.O. stability</b>	± 10 kHz, ± 25 kHz
<b>Phase noise (SSB) max</b>	-70 dBc at 1kHz -80 dBc at 10kHz -95 dBc 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>	250mA

<b>Input (waterproof)</b>	WR-75 waveguide
<b>Output (waterproof)</b>	F-connector (75 ohm) N-connector (optional) (50 ohm)
<b>Dimensions</b>	128mm (L) x 60mm (W) x 40mm (H)
<b>Weight</b>	400 g
<b>Operating Temperature</b>	-40 to + 60°C
<b>Storage Temperature</b>	-40°C to +80°C

### FREQUENCY BANDS AVAILABLE

	<b>Band 1</b>	<b>Band 2</b>
<b>Frequency band (GHz)</b>	10.70 - 11.70	11.70 - 12.75
<b>L.O. frequency (GHz)</b>	9.75 @ 13VDC	10.6 @ 18VDC
<b>IF frequency (MHz)</b>	950-1950	1100-2150

### HOW TO ORDER

### MECHANICAL DIAGRAM

## 1108HDFN-2

<b>CONNECTOR</b>	N – Optional N-connector
<b>DUAL-BAND</b>	D: 10.70-11.70 GHz F: 11.70-12.75 GHz
<b>NOISE FIGURE</b>	0.8 dB
<b>LO STABILITY</b>	1: ± 10kHz 2: ± 25kHz
<b>LNB SERIES #</b>	Version 2

