



# LNB

## KU-BAND EXT. REF COMPACT 1000XH



### TYPICAL SPECIFICATIONS

<b>Noise Figure</b>	0.7 to 0.9 dB depending on model
<b>L.O. stability</b>	Phase Locked to External Reference
<b>Gain Flatness (-40°C to +60°C)</b>	1.5dBp-p @ over 27 MHz 4dBp-p @ over 500 MHz
<b>Gain Variation @ Fixed Freq. (-40°C to +60°C)</b>	6 dBp-p max
<b>Phase noise (SSB)</b>	-75 dBc / Hz at 1 kHz -85 dBc / Hz at 10 kHz -95 dBc / Hz at 100 kHz
<b>Input VSWR</b>	2.0 : 1
<b>Output VSWR</b>	2.0 : 1

<b>Conversion gain</b>	60 dB
<b>Output P1dB</b>	8 dBm
<b>Power requirements</b>	+15 to +24 V supplied through center conductor of IF cable
<b>Current drain</b>	200 mA
<b>Input Waveguide</b>	WR75
<b>Dimensions</b>	110 (L) x 42 (W) x 42 (H) mm (4.3 x 1.7 x 1.7 in)
<b>Weight</b>	300g / 10.6 oz
<b>External Ref Frequency</b>	10MHz (sine-wave), -10 to 0 dBm
<b>Temperature Range</b>	-40C to +60C

### FREQUENCY BANDS AVAILABLE

<b>Typical service</b>	1000XHA	1000XHB	1000XHC
<b>Input frequency (GHz)</b>	11.70 to 12.20	12.25 to 12.75	10.95 to 11.70
<b>L.O. frequency (GHz)</b>	10.75	11.30	10.00
<b>Output frequency (MHz)</b>	950 to 1450	950 to 1450	950 to 1700

### HOW TO ORDER

## 1009XHAN

<b>CONNECTOR</b>	F - 75 Ohm N - 50 Ohm
<b>FREQUENCY</b>	A - 11.70 - 12.20 GHz B - 12.25 - 12.75 GHz C - 10.95 - 11.70 GHz
<b>EXTERNAL REFERENCE</b>	
<b>NOISE FIGURE</b>	07 - 0.7 dB 08 - 0.8 dB 09 - 0.9 dB
<b>LNB SERIES #</b>	

### MECHANICAL DIAGRAM

