

Innovative Communication Solutions

35 VEARS OF EXCELLENCE

LNB

KU-BAND EXT. REF COMPACT 1000XH

TYPICAL SPECIFICATIONS

Noise Figure 0.7 to 0.9 dB depending on model

L.O. stability Phase Locked to External Reference

Gain Flatness (-40°C to +60°C) 1.5dBp-p @ over 27 MHz 4dBp-p @ over 500 MHz

Gain Variation @ Fixed Freq.

(-40°C to +60°C)

 Phase noise
 -75 dBc / Hz at 1 kHz

 (SSB)
 -85 dBc / Hz at 10 kHz

 -95 dBc / Hz at 100 kHz

 Input VSWR
 2.0 : 1

 Output VSWR
 2.0 : 1



Conversion gain 60 dB

OutpuT P1dB 8 dBm

Power requirements +15 to +24 V supplied through center conductor of IF cable

Current drain 200 mA Input Waveguide WR75

Dimensions 110 (L) x 42 (W) x 42 (H) mm

(4.3 x 1.7 x 1.7 in)

Weight 300g / 10.6 oz

External Ref Frequency 10MHz (sine-wave), -10 to 0 dBm

Temperature Range -40C to +60C

FREQUENCY BANDS AVAILABLE

 Typical service
 1000XHA
 1000XHB
 1000XHC

 Input frequency (GHz)
 11.70 to 12.20
 12.25 to 12.75
 10.95 to 11.70

 L.O. frequency (GHz)
 10.75
 11.30
 10.00

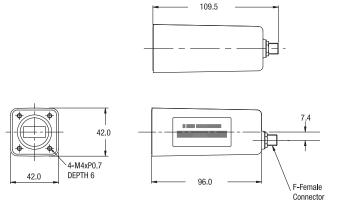
 Output frequency (MHz)
 950 to 1450
 950 to 1450
 950 to 1700

6 dBp-p max

HOW TO ORDER

1009XHAN | CONNECTOR | F - 75 Ohm | N - 50 Ohm | N - 50 Ohm | FREQUENCY | A - 11.70 - 12.20 GHz | B - 12.25 - 12.75 GHz | C - 10.95 - 11.70 GHz | EXTERNAL REFERENCE | NOISE FIGURE | 07 - 0.7 dB | 08 - 0.8 dB | 09 - 0.9 dB | LNB SERIES

MECHANICAL DIAGRAM







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