

### **Innovative Communication Solutions**

## 35 YEARS OF EXCELLENCE

# LNB KU-BAND PLL 1000H

### TYPICAL SPECIFICATIONS

Noise figure 0.7 to 0.9 dB

depending on model number

L.O. stability (over temperature excl. offset)

(See HS1000 for < 5 kHz L.O. stability)

Phase noise (SSB)

-75 dBc/Hz at 1 kHz -80 dBc/Hz at 10 kHz

±10 kHz to ±25 kHz

-95 dBc/Hz at 10 kHz

 Input VSWR
 2.2:1

 Output VSWR
 2.2:1

FREQUENCY BANDS AVAILABLE

Typical service 1000HA 1000HB 1000HC

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

NOTS at International line. 12 3 GHz

1208HA
Sale Of Str. 12 S

**Conversion gain** 60 dB

Output P1dB 5 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)

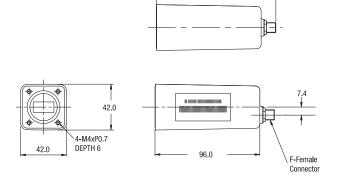
Weight 300 g / 10.6 ozTemperature Range  $-40 ^{\circ}\text{C}$  to  $+60 ^{\circ}\text{C}$ 

**Note:** You also have the option of upgrading to the HS1000 series, which also includes the  $\pm 2$  kHz to  $\pm 5$  kHz improved L.O. stabilities.

### **HOW TO ORDER**

# 1208HAF | CONNECTOR | F - 75 Ohm | N - 50 Ohm | | FREQUENCY | A - 11.70 - 12.20 GHz | B - 12.25 - 12.75 GHz | C - 10.95 - 11.70 GHz | | NOISE FIGURE | 07 - 0.7 dB | 08 - 0.8 dB | 09 - 0.9 dB | 09 - 0.9 dB | | L.O. STABILITY | 1 - ±10 kHz | 2 - ±25 kHz | (See HS1000 for < 5 kHz L.O. stability)

# MECHANICAL DIAGRAM





North America +1 800 644 4562 **Asia Pacific** +1 604 821 2813 **Europe, Middle East & Africa** +44 1522 730 800

South America +1 604 821 2835 Online sales@norsat.com www.norsat.com

**LNB SERIES #**