

Innovative Communication Solutions

LNB **KU-BAND PLL HS1000 SERIES**

TYPICAL SPECIFICATIONS

Noise figure 0.7 to 0.9 dB

L.O. stability ±5 kHz to ±2 kHz (after 60 sec)

Gain Flatness over freq. 1.5dBp-p @ over 27 MHz 4dBp-p @ over 500 MHz

Gain Variation over temp. 6 dBp-p max

(-40°C to +60°C)

Phase noise -75 dBc/Hz at 1 kHz (SSB) -80 dBc/Hz at 10 kHz -95 dBc/Hz at 100 kHz

Input VSWR 2.2:1 2.2:1 **Output VSWR**



60 dB Conversion gain 5 dBm **Output P1dB**

Power requirements +15 to +24 V supplied through

center conductor of IF cable

Current drain 200 mA WR75 Input Waveguide

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

(4.3 x 1.7 x 1.7 in)

109.5

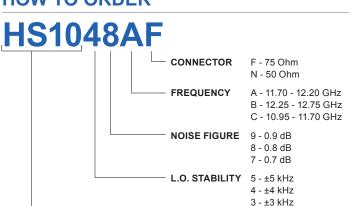
Weight 300 g / 10.6 oz -40°C to +60°C **Temperature Range**

Note: See 1000H series for ±10 kHz to ±25 kHz L.O. stabilities.

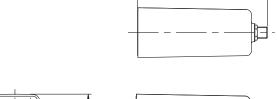
FREQUENCY BANDS AVAILABLE

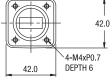
HS1000A HS1000B HS1000C Typical service 12.25 to 12.75 10.95 to 11.70 Input frequency (GHz) 11.70 to 12.20 L.O. frequency (GHz) 10.00 10.75 11.30 Output frequency (MHz) 950 to 1450 950 to 1450 950 to 1700

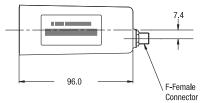
HOW TO ORDER



MECHANICAL DIAGRAM











North America +1 800 644 4562

2 - ±2 kHz

Asia Pacific +1 604 821 2813 **EMEA**

South America +44 1522 730 800 +1 604 821 2835

Online www.norsat.com

LNB SERIES #