



# LNB

## KU-BAND PLL COMPACT

## HS1000 HIGH STABILITY



### SPECIFICATIONS

<b>Noise Figure</b>	0.7 - 0.9 dB typ.at room temp. @ CF (0.8 - 1.0 dB max.)
<b>L.O. Stability</b>	± 2 kHz to ± 5 kHz (depending on model number)
<b>Phase Noise (SSB) max.</b>	-70 dBc/Hz at 1 kHz -75 dBc/Hz at 10 kHz -90 dBc/Hz at 100 kHz
<b>Input VSWR</b>	2.5 : 1 max.
<b>Output VSWR</b>	2.2 : 1 max.
<b>Gain</b>	60 dB typ., 55 dB min., 65 dB max.
<b>Gain Flatness (over full band)</b>	≤ 5 dB p-p
<b>Output P1dB</b>	+ 4 dBm min.

<b>DC Power</b>	+15V to +24V DC
<b>Current</b>	300 mA max.
<b>Input (waterproof)</b>	WR-75 waveguide grooved
<b>Output (waterproof)</b>	F-Connector (75 Ohm) N-Connector (50 Ohm)
<b>Dimensions (L x W x H)</b>	110 mm x 42 mm x 42 mm (4.3 in x 1.7 in x 1.7 in)
<b>Weight</b>	300 g (10.58 oz)
<b>Operating Temperature</b>	- 40 to + 60°C
<b>Storage Temperature</b>	- 40 to + 60°C

### FREQUENCY BANDS

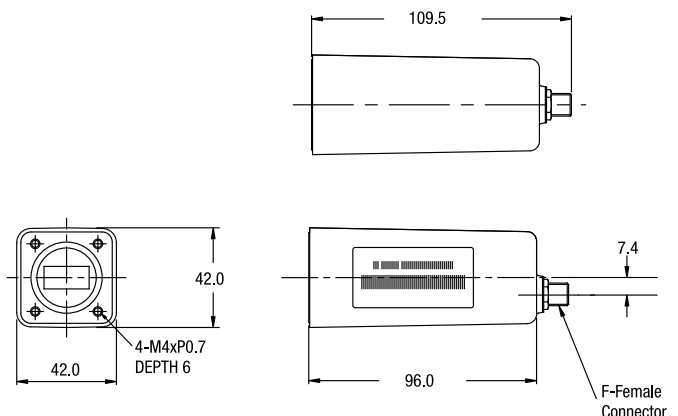
	HS1000A	HS1000B	HS1000C
<b>Frequency Band (GHz)</b>	11.70 - 12.20	12.25 - 12.75	10.95 - 11.70
<b>L.O. Frequency (GHz)</b>	10.75	11.30	10.00
<b>IF Frequency (MHz)</b>	950 - 1450	950 - 1450	950 - 1700

### HOW TO ORDER

## HS1048AF

<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>NOISE FIGURE</b>	7 - 0.7 dB 8 - 0.8 dB 9 - 0.9 dB
<b>L.O. STABILITY</b>	2: ± 2 kHz 3: ± 3 kHz 4: ± 4 kHz 5: ± 5 kHz
<b>LNB SERIES #</b>	

### MECHANICAL DIAGRAM



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