

# LNB

## KU-BAND PLL

### HS1000 SERIES



### TYPICAL SPECIFICATIONS

Noise figure	0.7 to 0.9 dB	Conversion gain	60 dB
L.O. stability (after 60 sec)	±5 kHz to ±2 kHz	Output P1dB	5 dBm
Phase noise (SSB)	-75 dBc/Hz at 1kHz -80 dBc/Hz at 10kHz -95 dBc/Hz at 100kHz	Power requirements	+15 to +24 V supplied through center conductor of IF cable
Input VSWR	2.2 : 1	Current drain	200 mA
Output VSWR	2.2 : 1	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
		Temperature Range	-40°C to +60°C

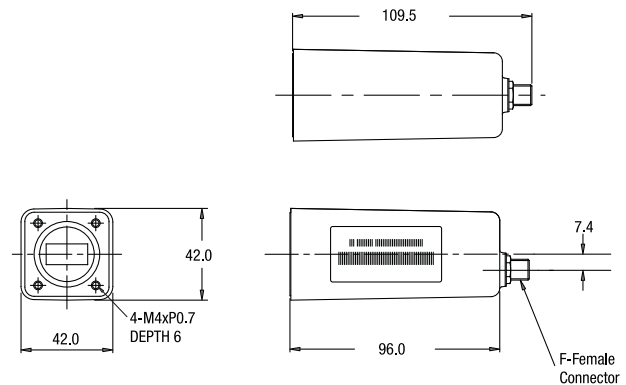
### FREQUENCY BANDS AVAILABLE

Typical service	HS1000A	HS1000B	HS1000C
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

### HOW TO ORDER KU-BAND HS1000

#### HS1048AF

- 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..... 09 - 0.9 dB  
08 - 0.8 dB  
07 - 0.7 dB
- L.O. STABILITY..... 5 - ±5 kHz  
4 - ±4 kHz  
3 - ±3 kHz  
2 - ±2 kHz
- LNB SERIES #



### MECHANICAL DIAGRAM