



LNB KU-BAND PLL HS1000 SERIES



TYPICAL SPECIFICATIONS

Noise figure	0.7 to 0.9 dB
L.O. stability (after 60 sec)	±5 kHz to ±2 kHz
Gain Flatness over freq.	1.5dBp-p @ over 27 MHz 4dBp-p @ over 500 MHz
Gain Variation over temp. (-40°C to +60°C)	6 dBp-p max
Phase noise (SSB)	-75 dBc/Hz at 1 kHz -80 dBc/Hz at 10 kHz -95 dBc/Hz at 100 kHz
Input VSWR	2.2 : 1
Output VSWR	2.2 : 1

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 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

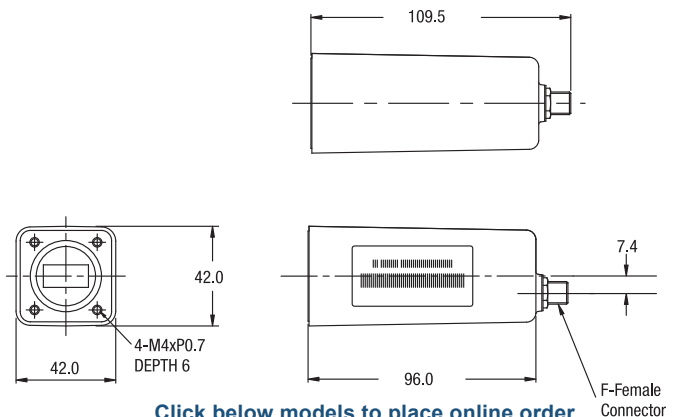
Note: See 1000H series for ±10 kHz to ±25 kHz L.O. stabilities.

HOW TO ORDER

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	9 - 0.9 dB 8 - 0.8 dB 7 - 0.7 dB
L.O. STABILITY	5 - ±5 kHz 4 - ±4 kHz 3 - ±3 kHz 2 - ±2 kHz
LNB SERIES #	

MECHANICAL DIAGRAM



Click below models to place online order

HS1027A	HS1027B	HS1027C	HS1037A
HS1037B	HS1037C	HS1047A	HS1047B
HS1047C	HS1057A	HS1057B	HS1057C
HS1028A	HS1028B	HS1028C	HS1038A
HS1038B	HS1038C	HS1048A	HS1048B
HS1048C	HS1058A	HS1058B	HS1058C
HS1029A	HS1029B	HS1029C	HS1039A
HS1039B	HS1039C	HS1049A	HS1049B
HS1049C	HS1059A	HS1059B	HS1059C