



DAWNco

Reasonable prices, priceless reasoning.

Model #KLNb.7-PL05

Ku band LNB, input 11.7 to 12.2 GHz, output 950 to 1450 MHz

KLNB

KU-BAND PLL

stability +/- 5 KHz



SPECIFICATIONS

Noise figure	0.7 dB	Conversion gain	60 dB
L.O. stability (after 60 sec)	±5 kHz	Output P1dB	5 dBm
Gain Flatness over freq.	1.5dBp-p @ over 27 MHz	Power requirements	+15 to +24 V supplied through center conductor of IF cable
	4dBp-p @ over 500 MHz	Current drain	200 mA
Gain Variation over temp. (-40°C to +60°C)	6 dBp-p max	Input Waveguide	WR75
Phase noise (SSB)	-75 dBc/Hz at 1 kHz	Dimensions	110 (L) x 42 (W) x 42 (H) mm
	-80 dBc/Hz at 10 kHz		(4.3 x 1.7 x 1.7 in)
	-95 dBc/Hz at 100 kHz	Weight	300 g / 10.6 oz
Input VSWR	2.2 : 1	Temperature Range	-40°C to +60°C
Output VSWR	2.2 : 1		

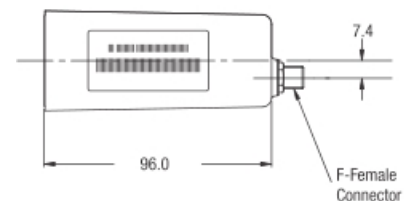
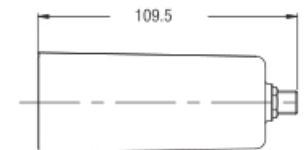
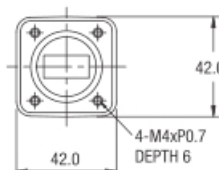
FREQUENCY BAND

Typical service

Input frequency (GHz)	11.70 to 12.20
L.O. frequency (GHz)	10.75
Output frequency (MHz)	950 to 1450

MECHANICAL DIAGRAM

CONNECTOR	F - 75 Ohm
FREQUENCY	11.70 - 12.20 GHz
NOISE FIGURE	0.7 dB
L.O. STABILITY	±5 kHz



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