



25 KHz Stability Ku-Band PLL LNB

KEY FEATURES

- ◆ Input frequency 10.70 - 12.75 GHz
- ◆ Dual L.O. 9.75 GHz and 10.6 GHz
- ◆ +/- 25 KHz L.O. Stability
- ◆ Gain 60 dB typ.
- ◆ "N" or "F" RF interface options
- ◆ Noise figure 0.7 dB typ.

AL2L0025 / AL2L0025N



Frequency Band	Band 1	Band 2
Input Frequency	10.70-11.70 GHz	11.70-12.75 GHz
IF Frequency	950-1,950 MHz	1,100-2,150 MHz
L.O.	9.75 GHz	10.6 GHz
L.O. Control	Switchable by 13V/18V or 22kHz	

General Specification

Conversion gain	60 dB typ.	Gain Variation Over Temp.	4 dB p-p max.
Input VSWR	2.2 : 1 typ.	Output VSWR	2.2 : 1 typ.
IF connector	"F" or "N" - type female	IF impedance	75 or 50 ohms
RF interface	WR - 75 Grooved	Leakage	-55 dBm max.
Phase noise	-75 dBc/Hz @ 10KHz -85 dBc/Hz @ 100KHz -100 dBc/Hz @ 1MHz	Noise figure	0.7 dB max.
		L.O. stability	25 KHz
		Ext. ref. input	N/A
Power supply	+13 - +24 VDC	Current	300 mA max.
Operating temperature	-40C - +60C	Storage temperature	-40C - + 80C
Dimensions (mm)	111.5 x 60 x 41.6	Weight (g)	380

Mechanical Drawing

