



25 KHz Stability Ku-Band PLL LNB

KEY FEATURES

- ◆ Input frequency 10.95 - 12.75 GHz
- ◆ Output frequency 950 - 2750 MHz
- ◆ L.O. 10.0 GHz
- ◆ +/- 25 KHz L.O. Stability
- ◆ Gain 55 dB typ.
- ◆ "N" or "F" RF interface options
- ◆ Noise figure 1.0 dB typ.
- ◆ Output P1dB +5 dBm min.

AL1012025 / AL1012025N



Specification

Conversion gain	55 dB typ. (50dB min. 65dB max.)	Gain flatness	6 dB p-p Max.
Input VSWR	2.5 : 1 Typ.	Output VSWR	2.5 : 1 Typ.
IF Connector	"F" or "N" - Type Female	IF impedance	75 or 50 ohms
RF Interface	WR - 75 Waterproof	Gain Ripple	1 dB p-p max per 27 MHz
Phase Noise	1 KHz -70 dBc/Hz	Noise figure	1.0 dB Max.
	10 KHz -80 dBc/Hz	Power Supply	+12 - +24 VDC
	100 KHz -95 dBc/Hz	Current	350 mA Max.
Image Rejection	40 dBc min.	Leakage	-45 dBm Max.
Operating Temperature	-40C - +60C	Storage Temperature	-40C - + 80C
Dimensions (mm)	111.5x 60 x 41.6	Weight (g)	380

Mechanical Drawing

