



# 5KHz stability Ku-Band PLL LNB

## KEY FEATURES

- ◆ RF frequency 10.7 - 11.8 GHz
- ◆ L.O. 9.75 GHz
- ◆ Stability +/- 5KHz
- ◆ Gain 60 dB typ.
- ◆ "N" or "F" RF interface options
- ◆ Output P1dB +5dBm min.

AL9750005 / AL9750005N



Model	RF Frequency	IF Frequency	L. O
AL9750005	10.7 - 11.8 GHz	950 - 2050 MHz	9.75 GHz
AL1000005	10.95 - 11.7 GHz	950 - 1700 MHz	10.0 GHz
AL10750005	11.7 - 12.2 GHz	950 - 1450 MHz	10.75 GHz
AL10750005E	11.7 - 12.75 GHz	950 - 2000 MHz	10.75 GHz
AL11250005	12.2 - 12.7 GHz	950 - 1450 MHz	11.25 GHz
AL11300005	12.25 - 12.75 GHz	950 - 1450 MHz	11.3 GHz

## General Spec

<b>Conversion gain</b>	60 dB typ. (55dB min. 65dB max.)	<b>Gain flatness</b>	4 dB p-p Max.
<b>Input VSWR</b>	2.2 : 1 Typ.	<b>Output VSWR</b>	2.2 : 1 Typ.
<b>IF Connector</b>	"F" or "N" - Type Female	<b>IF impedance</b>	75 or 50 ohms
<b>RF Interface</b>	WR - 75 Waterproof	<b>Gain Ripple</b>	1 dB p-p max per 36 MHz
<b>Phase Noise</b>	1 KHz -70 dBc/Hz	<b>Noise figure</b>	0.8 dB Max.
	10 KHz -85 dBc/Hz.	<b>Power Supply</b>	+12 - +24 VDC
	100 KHz -95 dBc/Hz	<b>Current</b>	350 mA Max.
<b>Image Rejection</b>	40 dBc min.	<b>Leakage</b>	-45 dBm Max.
<b>Operating Temperature</b>	-40C - +60C	<b>Storage Temperature</b>	-40C - + 80C
<b>Dimensions (mm)</b>	99.5 x 42 x 42	<b>Weight (g)</b>	300

## Mechanical Drawing

