



25KHz stability 4-L.O. Ku-Band PLL LNB

KEY FEATURES

- ◆ Output frequency 10.70-12.75 GHz
- ◆ +/- 25 kHz Stability
- ◆ Noise figure 0.8dB typ.
- ◆ RoHS compliant
- ◆ Three year warranty

AL4L0025 / AL4L0025N



Frequency Band	Band 1	Band 2	Band 3	Band 4
Input frequency (GHz)	10.70-11.70	10.95-11.70	11.70-12.75	12.25-12.75
IF frequency (MHz)	950-1950	950-1700	950-2000	950-1450
L.O. (GHz)	9.75	10	10.75	11.3
L.O. control, DC in	13.0 V, tone-off	13.0 V, tone-off	18.0 V, tone-on	18.0 V, tone-on
General				
Gain	60 dB typ.	Gain variation	0.4 dB p-p	within 30 MHz
P1dB output	+15 dBm		4 dB p-p	all band
Noise figure	0.8 dB typ.	L.O. Phase noise	-73 dBc	@ 1 kHz
OIP3	+25 dBm		-83 dBc	@ 10 kHz
Output VSWR	2:1 (max)		-103 dBc	@ 100 kHz
L.O. radiation	-60 dBm (max)		-113 dBc	over 1 MHz
Image rejection	30 dB (min)	Tone signal	Frequency	22kHz +/- 4kHz
Current	350 mA		Amp.	0.6+/-0.2 V
			Cycle	50+/-10%
Input interface	WR-75	Output interface	"F" conn. 75 ohm or "N" conn. 50 ohm	
Temperature	Operating	-30 to +60 C	Storage	-40 to +80 C
Weight	345 g	Dimensions	133x43.6x40mm	5.23"x1.71"x1.57"

Mechanical Drawing

