



10KHz stability 4-L.O. Ku-Band PLL LNB

KEY FEATURES

- ◆ Output frequency 10.70-12.75 GHz
- ◆ +/- 10 kHz Stability
- ◆ Noise figure 0.8dB typ.
- ◆ RoHS compliant
- ◆ Three year warranty

AL4L0010 / L4L0010N



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	1 dB p-p	within 36 MHz
P 1dB output	+5 dBm min.		5 dB p-p	all band
Noise figure	0.8 dB typ.	L.O. Phase noise	-70dBc	@ 1 kHz
OIP3	+25 dBm		-80dBc	@ 10 kHz
Output VSW R	2:1 (max)		-95dBc	@ 100 kHz
Image Rejection Band 1,2	40 d Bc (min)	Tone signal	-115dBc	over 1 MHz
Image rejection Band 3	35 dBc (min)		Frequency	22kHz +/- 4kHz
Image Rejection Band 4	15dBc (min)		Amp.	0.6+/-0.2 V
			Current	350 mA max.
Input interface	W R-75	Output interface	"F" conn. 75 ohm or "N" conn. 50 ohm	
Temperature	Operating	-40 to +60 C	Storage	-40 to +80 C
W eight	400 g	Dimensions	60 x 41.6x111.5mm	5.23"x1.71"x1.57"

Mechanical Drawing

