



1 KHz-Stability Ku-Band PLL LNB

KEY FEATURES

- ◆ 1 KHz L.O. stability
- ◆ Smallest package size and weight
- ◆ N / F connector options (50/75 ohms)
- ◆ RoHS compliant
- ◆ Three year warranty

AL10001 / AL20001 / AL30001
AL10001N / AL20001N / AL30001N



Model	RF Frequency	IF Frequency	L.O.
AL10005	10.95-11.70 GHz	950 - 1700 MHz	10.00 GHz
AL20005	11.70-12.20 GHz	950 - 1450 MHz	10.75 GHz
AL30005	12.25-12.75 GHz	950 - 1450 MHz	11.30 GHz

Specifications

Conversion gain	55 to 70 dB	Gain flatness	4 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 36 MHz
Phase noise	100 Hz -70 dBc/Hz	Noise figure	0.8 dB max.
	1 KHz -80 dBc/Hz.	Power supply	+12 - +24 VDC
	10 KHz -85 dBc/Hz	Current	200 mA max.
	100 KHz -105 dBc/Hz	Leakage	-55 dBm max.
Operating temperature	-40C - +60C	Storage temperature	-40C - + 80C
Dimensions (mm)	103 x 42 x 42	Weight (g)	215

Mechanical Drawing

