



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

Specifications

Conversion gain	60 dB typ. (55dB min. 65dB max.)	Gain flatness	4 dB p-p max.
Input VSWR	2.2 : 1 Typ.	Output VSWR	2.2 : 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	-70 dBc/Hz (@1 KHz)	Noise figure	0.8 dB Max.
	-85 dBc/Hz (@10 KHz)	Power Supply	+12 - +24 VDC
	-95 dBc/Hz (@100 KHz)	Current	350 mA Max.
Image Rejection	40 dBc min.	Leakage	-45 dBm Max.
Operating temperature	-40C - +60C	Storage temperature	-40C - +80C
Dimensions & housing	98.5 (L) x 42 (W) x 42 (H) mm	Weight	300 g (0.66 lbs)
	3.87"(L) x 1.65"(W) x 1.65"(H)		

Mechanical Drawing

