



Ku-Band Ext. Reference PLL LNB

KEY FEATURES

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

AL975X / AL975XN



Model	RF Frequency	IF Frequency	L. O
AL975X	10.7 - 11.8 GHz	950 - 2050 MHz	9.75 GHz
AL100X	10.95 - 11.7 GHz	950 - 1700 MHz	10.0 GHz
AL1075X	11.7 - 12.2 GHz	950 - 1450 MHz	10.75 GHz
AL1075EX	11.7 - 12.75 GHz	950 - 2000 MHz	10.75 GHz
AL1125X	12.2 - 12.7 GHz	950 - 1450 MHz	11.25 GHz
AL1130X	12.25 - 12.75 GHz	950 - 1450 MHz	11.3 GHz

General Spec

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	Depends on external reference	Noise figure	0.8 dB Max.
1dB gain compression point (@1GHz)	+5 dBm min.	Power Supply	+12 - +24 VDC
Ext. ref. input freq. & power	10 MHz, -10 to 0 dBm	Current	350 mA Max.
Image Rejection	40 dBc min.	Leakage	-45 dBm Max.
Operating Temperature	-40C - +60C	Storage Temperature	-40C - + 80C
Dimensions (mm)	99.5 x 42 x 42	Weight (g)	300

Mechanical Drawing

