



# External Reference Ku-Band LNB

## KEY FEATURES

- ◆ External reference
- ◆ Smallest package size and weight
- ◆ N / F connector options (50/75 ohms)
- ◆ RoHS compliant
- ◆ Three year warranty

AL1NX / AL2NX / AL3NX / AL4NX



Model	RF Frequency	IF Frequency	L.O.
AL1NX	10.95-11.70 GHz	950 - 1700 MHz	10.00 GHz
AL2NX	11.70-12.20 GHz	950 - 1450 MHz	10.75 GHz
AL3NX	12.25-12.75 GHz	950 - 1450 MHz	11.30 GHz
AL4NX	12.2-12.7 GHz	950 - 1450 MHz	11.25 GHz

## Specifications

Conversion gain	60 dB typ.	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 Grooved	Leakage	-55 dBm max.
Phase noise	Ext. ref. dependent	Noise figure	0.8 - 0.9 dB max.
L.O. stability	Locked ext. ref.	Ext. ref. frequency	10 MHz
Ext. ref. input	IF output connector	Ext. ref. level	-10 to 0 dBm
Power supply	+12 - +24 VDC	Current	280 mA max.
Operating temperature	-40C - +60C	Storage temperature	-50C - + 80C
Dimensions (mm)	100 x 42 x 42	Weight (g)	220

## Mechanical Drawing

