



# C-Band External Reference LNB

## KEY FEATURES

- ◆ External Reference
- ◆ Smallest size and weight
- ◆ N/F connector options (50/75 ohms)
- ◆ RoHS Compliant
- ◆ Three-year Warranty

## ALS5X / ALS5XN



## Specifications

Input Frequency	3.4 - 4.2 GHz	Output Frequency	950 - 1750 MHz
Conversion gain	62 dB (typ), 66 dB (max)	Gain flatness	4dB p-p over full temp
Input VSWR	2.5 : 1	Output VSWR	2.5: 1 typ.
Local Frequency	5.15 GHz	L.O. stability	Ext.ref dependent
IF connector	F or N- type female	IF impedance	75 or 50 ohms
RF interface	WR - 229 Grooved	Stabilization and Start up Time	1 min (max)
Phase noise	Ext. ref dependent	Noise Temp. @ 25 deg. C	15K Typ., 20K max.
Output 1 dB compression point	+5dBm min.	Gain Ripple	+/- 0.75dB (40MHz)
Spurious In-Band (No Signal)	-140dBm max.	Spurious In-Band @-10dBm Output	-55dBm (max)
Ext. ref. input (10MHz)	IF output connector	Image Rejection	-40dBc (min)
L.O. Leakage at Waveguide Input	-50dBm max.	Output L.O. Leakage	-40dBm (max)
Power supply	+12 - +24 VDC	Current	300 mA (max)
Operating temperature	-40C - +60C	Storage temperature	-50C - + 80C
Dimensions (mm) (L/W/H)	93.3 x 99.6 x 71.5 (F) 95.3 x 99.6 x 71.5 (N)	Weight (g)	500

## Mechanical Drawing

