



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- 4.2GHz	Output Frequency	950- 1750MHz
Conversion gain	62dB (typ), 66dB (max)	Gain flatness	4dBp-p over full temp
Input VSWR	2.5: 1	Output VSWR	2.5: 1typ.
Local Frequency	5.15GHz	L.O. stability	Ext.ref dependent
IF connector	F or N- type female	IF impedance	75or 50ohms
RF interface	WR- 229Grooved	Stabilization and Start up Time	1min (max)
Phase noise	Ext. ref dependent	Noise Temp. @25 deg. C	15K Typ., 20K max.
Output 1dB compression point	+5dBmmin.	Gain Ripple	+/- 0.75dB (40MHz)
Spurious In-Band (No Signal)	-140dBmmax.	Spurious In-Band @-10dBmOutput	-55dBm (max)
Ext. ref. input (10MHz)	IF output connector	Image Rejection	-40dBc (min)
L.O. Leakage at Waveguide Input	-50dBmmax.	Output L.O. Leakage	-40dBm (max)
Power supply	+12- +24VDC	Current	300mA (max)
Operating temperature	-40C - +60C	Storage temperature	-50C - +80C
Dimensions (mm) (L/W/H)	93.3x99.6x 71.5(F) 95.3x99.6x 71.5(N)	Weight (g)	500

Mechanical Drawing

