

## SignalMAX High Gain 10.7 GHz L.O. Single LNBf

### SATLNBFVAST

The team at NAS Australia is proud to announce the release of our new **High Gain Low Noise** Single Output 10.7 GHz L.O. LNBf. Our SignalMAX LNBf's have been renowned throughout the industry for their reliability. The High Gain Low Noise **SATLNBFVAST** is engineered to perform with dramatically improved gain and noise figures realised.



The **SATLNBFVAST** is marked with a positive and negative scale for polarisation (skew) assistance.

# SignalMAX

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## PROFESSIONAL



# Product Release: SignalMAX VAST 10.7 High Gain LNBf

## Specifications:

### RF Input

Input Frequency Range 11.7 ~ 12.75 GHz

### IF Output

Output Frequency Range 1000 ~ 2050 MHz

Output Connector Type 75  $\Omega$  Female Connector  
Output VSWR 2.5:1 (Max.) @ Room Temperature

### Local Oscillator

LO. Frequency 10.7GHz  
LO. Frequency Stability  $\pm 0.5$  MHz (max.) @ Room Temperature  
 $\pm 1$  MHz (Max.) @  $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$   
LO. Frequency Phase Noise -65dBc/Hz @ 1KHz (Max.)  
-75dBc/Hz @ 10KHz (Max.)  
-90dBc/Hz @ 100KHz (Max.)

### Conversion Performance @Room Temperature

Conversion GAIN (dB) 58~70dB (Min.)  
Gain Variation (P-P)(dB)  $\pm 4$  dB (Max.)  
Gain Flatness (across any 27 MHz )  $\pm 0.5$  dB (Max.)  
Noise Figure (dB) 0.4 dB (Typ.)  
Image Rejection(dB)(Min) 40dB (Min.)  
Cross Polarization (dB) 25dB (Typ.)

### Power Requirements

DC Current Consumption: 115mA (Max.)  
Operating Voltage - V: 11.5 ~ 14 Vdc  
H: 16 ~ 19 Vdc

### Environmental

Operating Temperature Range  $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$   
Storage Temperature Range  $-55^{\circ}\text{C} \sim +80^{\circ}\text{C}$

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