



## PLL422 Twin PLL C-Band LNBF

### FEATURES

1. High FEC and narrow bandwidth satellite transponders.
2. PLL Phase Lock Loop C-band LNBF is developed using the latest PLL chipsets with a balance of gain, isolation, stability and amplification to produce a Phase Lock Loop C-Band LNBF that outperforms all other C-Band LNBFs.
3. Tested 5 times to assure specification compliance and performance.



#### ***PLL C band LNBF Specifications:***

Input Frequency Range	3.40 ~ 4.20GHz
Output Frequency Range	950 ~ 1750MHz
L.O. Frequency	5150MHz
Noise Temperature	15K typical
LO Stability (over temp ex offset)	± 50Khz
LO Phase Noise @ 1Khz	-72dBc
LO Phase Noise @ 10Khz	-81dBc
LO Phase Noise @ 100Khz	-90dBc
Conversion Gain	65dB typical
Gain Flatness	±4dB
Gain Variation	±1dB / 27 MHz
Image Rejection	-45dB
Crosstalk Isolation	20dB typical
Control Signals Ca [V/CR]	11.5 ~ 14.0V
Control Signals Cb [ H/CL]	16.0 ~ 20.0V
DC Voltage	11 ~ 20Vdc
Current	145mA [max]
Output VSWR	2.0 : 1
Temperature Range	-22 ~ +140°F / -40 ~ +60°C
Relative Humidity	0 ~100% condensing
Output Impedance	75Ω
Connection	F-Type / 3GHz / Female