

Data Sheet

Wide Band Coaxial Low Noise Amplifier (LNA) - P/N 3230 to 3240

Coaxial Wide Band LNA

For Ka-band applications which require low noise performance and wide bandwidth Callisto proposes its coaxial LNA.

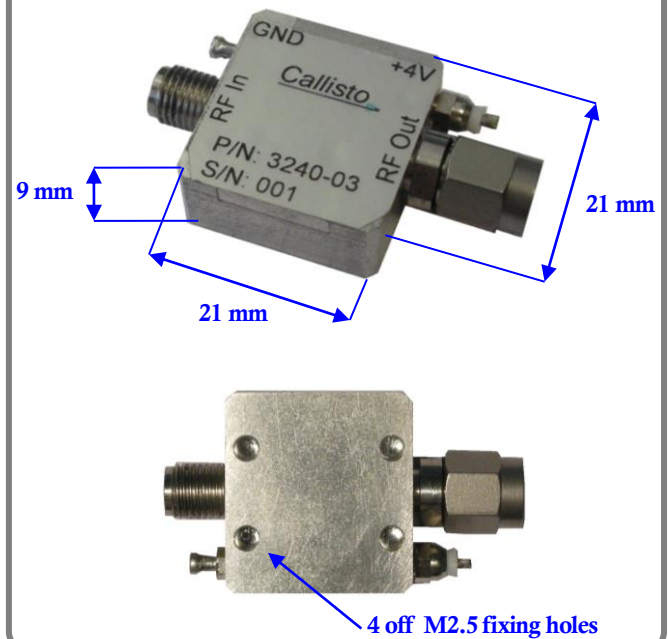
- Wide Band: 12 to 32 GHz
- SMA or K connectors
- Very small package

Noise Performance

	LNA at 23°C
Noise Figure	2.2dB max. (19-28GHz) 3.0dB max. (12-32GHz)*

* See plots on back page

Layout & Dimensions (mm)



RF Specifications over 19 to 28GHz

Frequency Range	19-28GHz(optimized) 12-32GHz (extended)*
Gain	25dB min
Gain Variation	0.05dB/°C (-40 to + 60°C)
Input VSWR	2.0:1 max
Output VSWR	3.0:1 max
P1dB	+15dBm typical
Max Input Power	+10dBm
Output IP3	+25dBm

* See the plots on back page

Physical Specifications & Interfaces

Overall Dimension	21 x 21 x 9mm Excluding connectors
Weight	<15g
Temperature Range	-40°C to + 60°C
Mounting	4 x M2.5
Material/Finish	Raw Aluminium(standard) Gold Plated on request
RF Input & Output	2.92mm coax-F (standard) or mix of M-F on request
DC Connector	Pins
DC Power	+4V to +4.5V / 150mA

The specifications provided in this data sheet are preliminary and intended as a guide only. Callisto reserves the right to modify specifications without notice.

Typical Measurements

