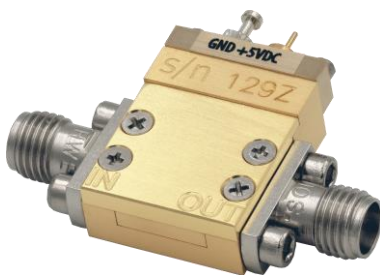


Datasheet

LNF-LNR15_29B_SV

15-29 GHz Low Noise Amplifier



Product Features

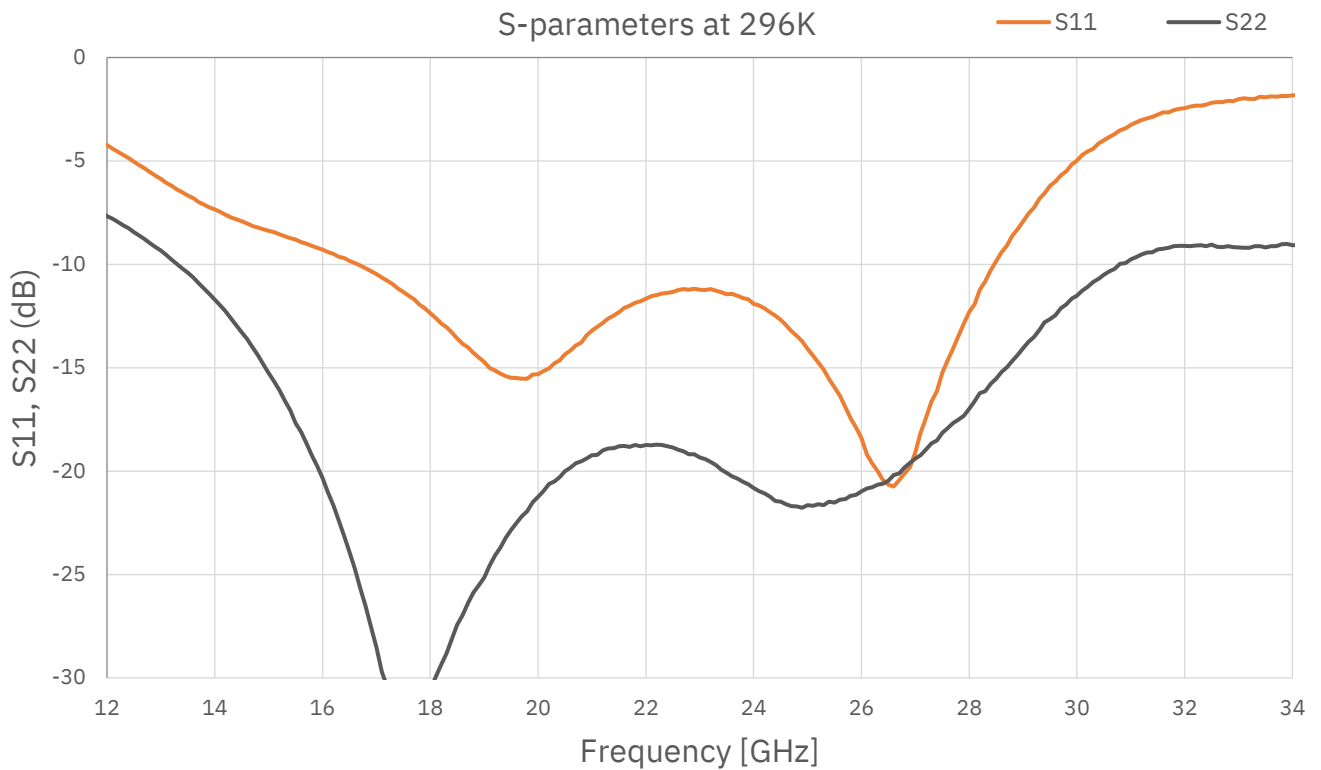
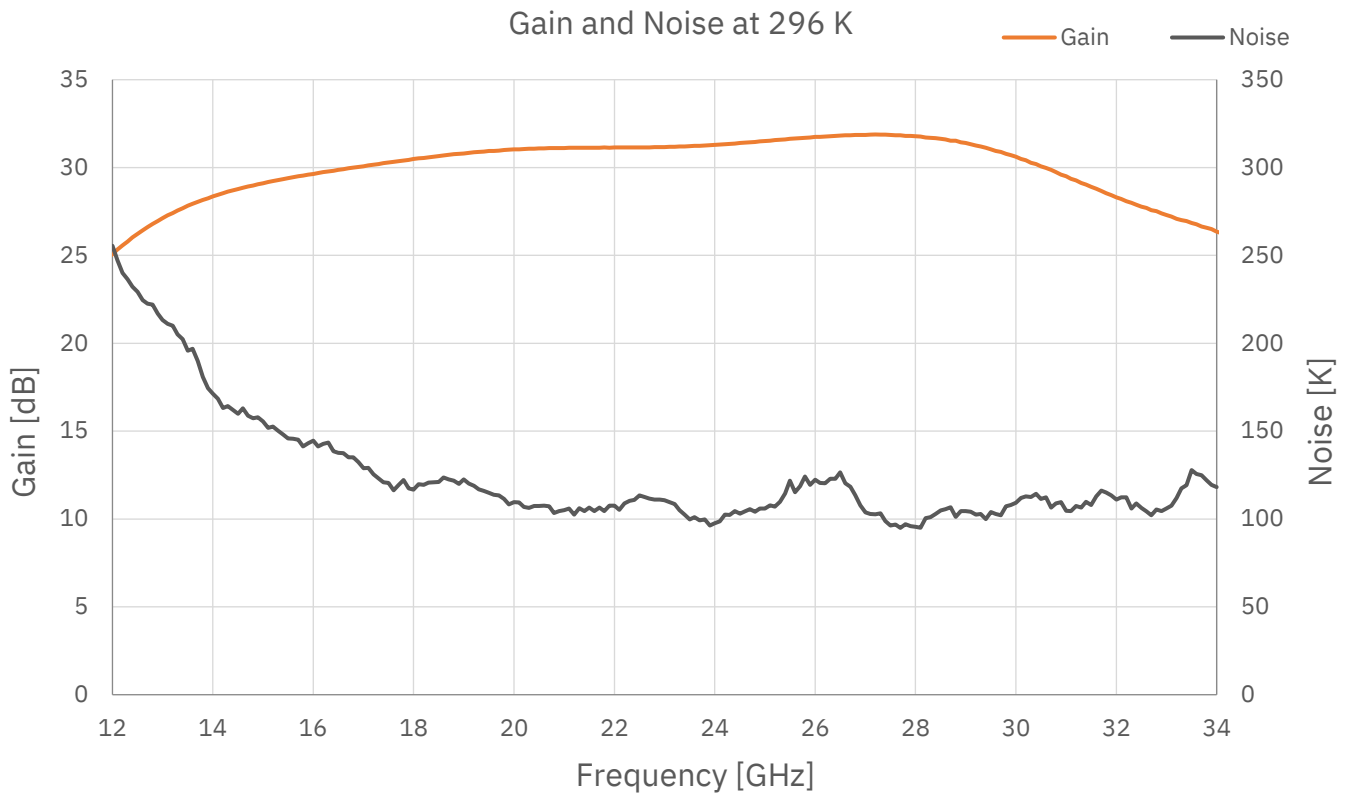
RF Bandwidth	15-29 GHz
Noise Temperature	115 K
Noise Figure	1.47 dB
Gain	31 dB
DC power (typical)	V = 5 V, I = 40 mA
RF Connectors	Female K (2.92 mm)*
DC Connectors	2-pin Turret Connector
Single 5V supply only	

* Contact factory for alternative configuration

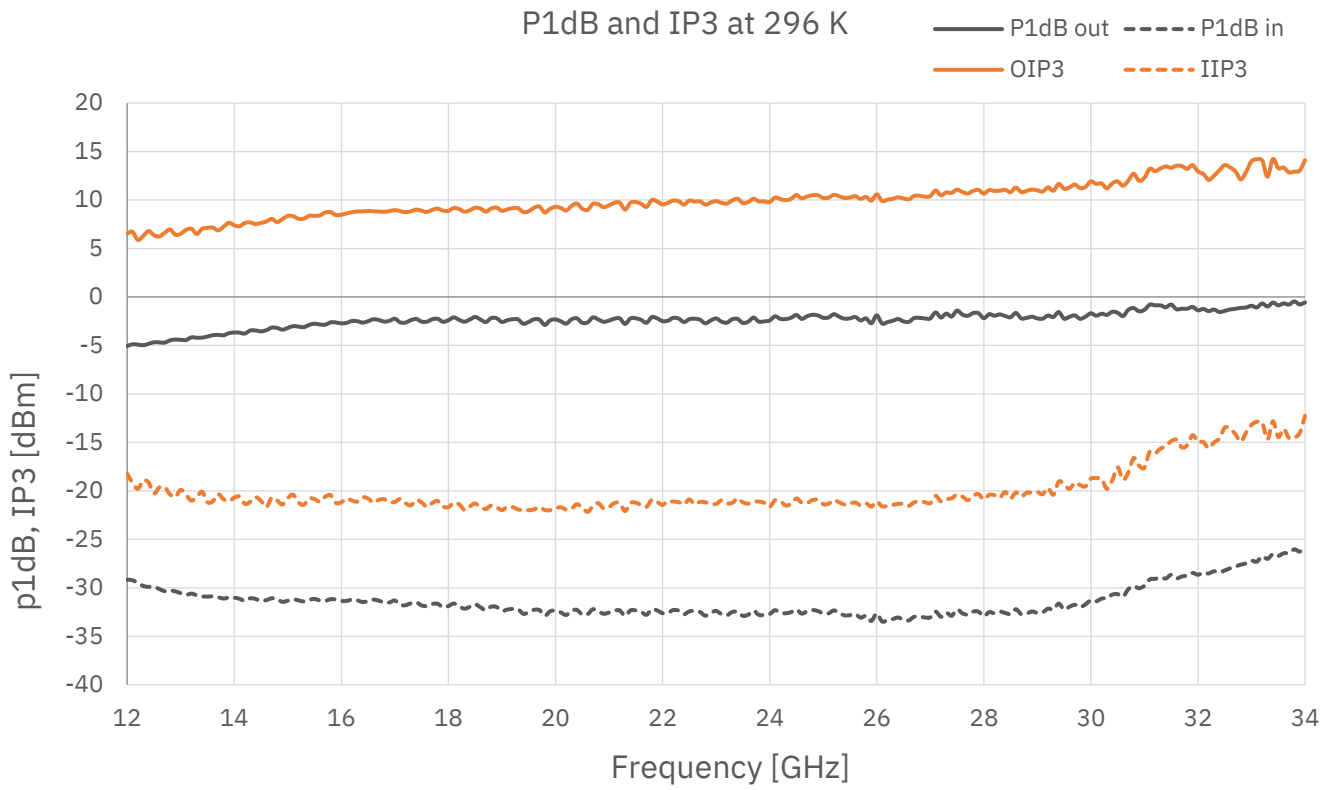
Absolute maximum ratings			Typical Characteristics		
Parameter	Min	Max	Parameter	Value	Unit
DC Voltage on Input and Output	-30 V	30 V	IRL	10	dB
RF Input Power		0 dBm	ORL	15	dB
Operating Temperature	-40 °C	+85 °C	Output P1dB	-2	dBm
			OIP3	10	dBm
			Weight	9	grams

LNF-LNR15_29B_SV is a room temperature amplifier using LNF's proprietary InP HEMT technology. MMIC technology ensures excellent unit-to-unit variation. The LNA is packaged in a coaxial module using industry standard K (2.92mm) connectors for the RF ports and and 2-pin turret connectors to provide the DC. The lightweight gold plated aluminum body measures 17.80x15.15x6.80 mm excluding the connectors. The LNA is not hermetic and must be operated in a vacuum environment when below the dewpoint. All amplifiers are tested at 296 K and delivered with a test report.

Measured data, $T_{amb} = 296\text{ K}$



Measured data, $T_{amb} = 296\text{ K}$



Dimensions and wiring

Units: mm

