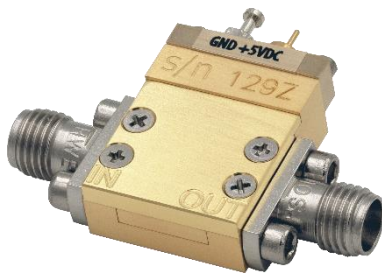


# Datasheet

## LNF-LNR26\_62A\_SV

26-62 GHz Low Noise Amplifier



### Product Features

RF Bandwidth	26-62 GHz
Noise Temperature	200 K
Noise Figure	2.3 dB
Gain	35 dB
DC power (typical)	$V_{ds} = 5\text{ V}$ , $I_{ds} = 35\text{ mA}^*$
RF Connectors	Female (1.85 mm)**
DC Connectors	2-pin Turret Connector
Single 5V supply only	

\* See test report for actual optimum bias for your unit

\*\* Contact Factory for alternative configuration

### Absolute maximum ratings

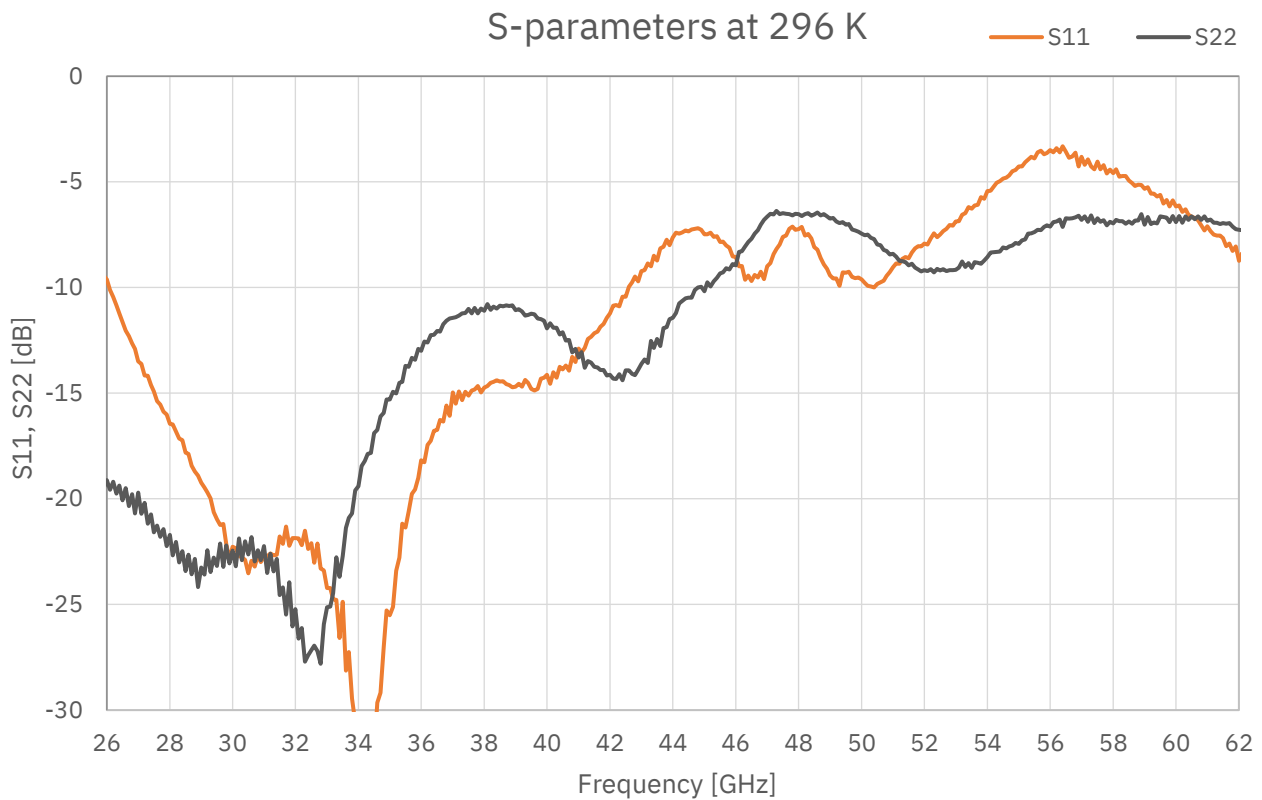
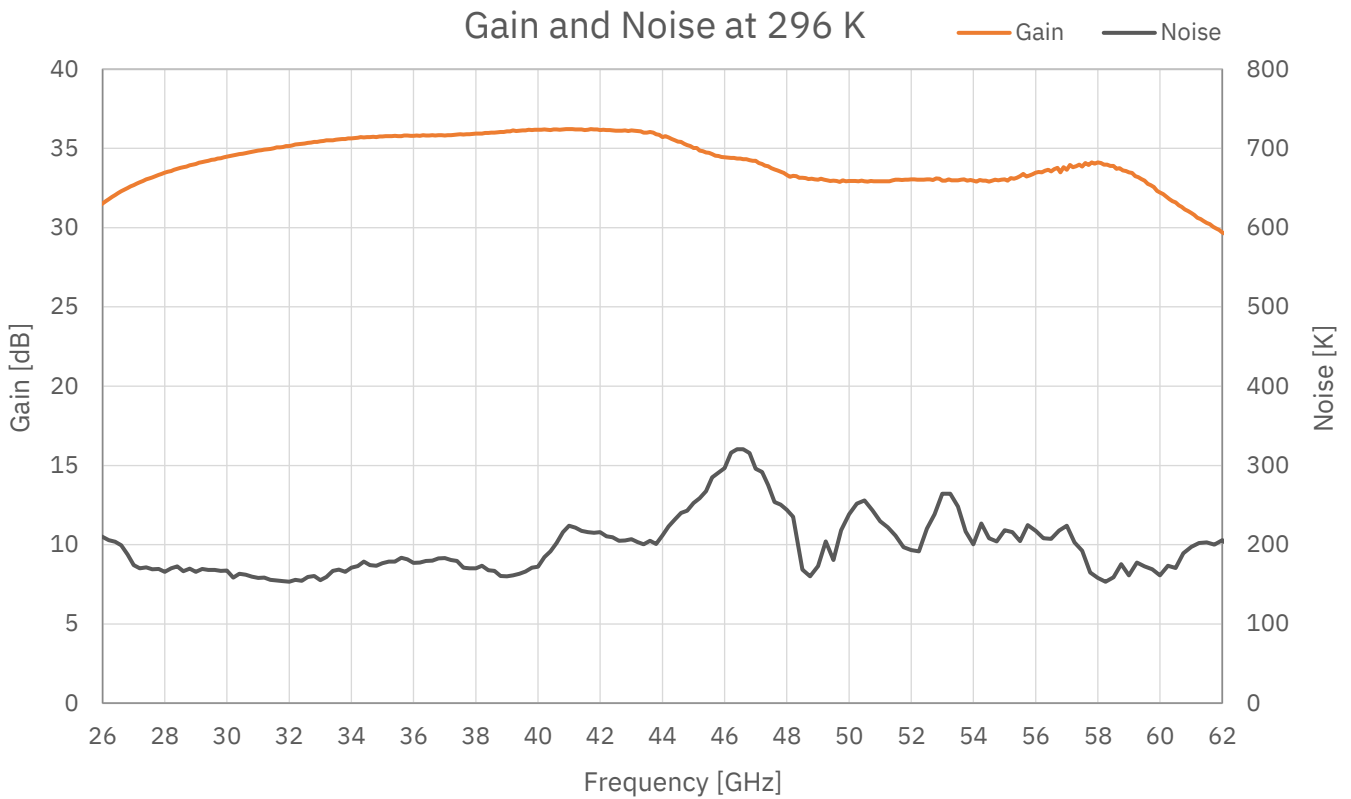
Parameter	Min	Max
DC Voltage on Input and Output	-30 V	30 V
RF Input Power		0 dBm
Operating Temperature	-40 °C	+85 °C

### Typical Characteristics

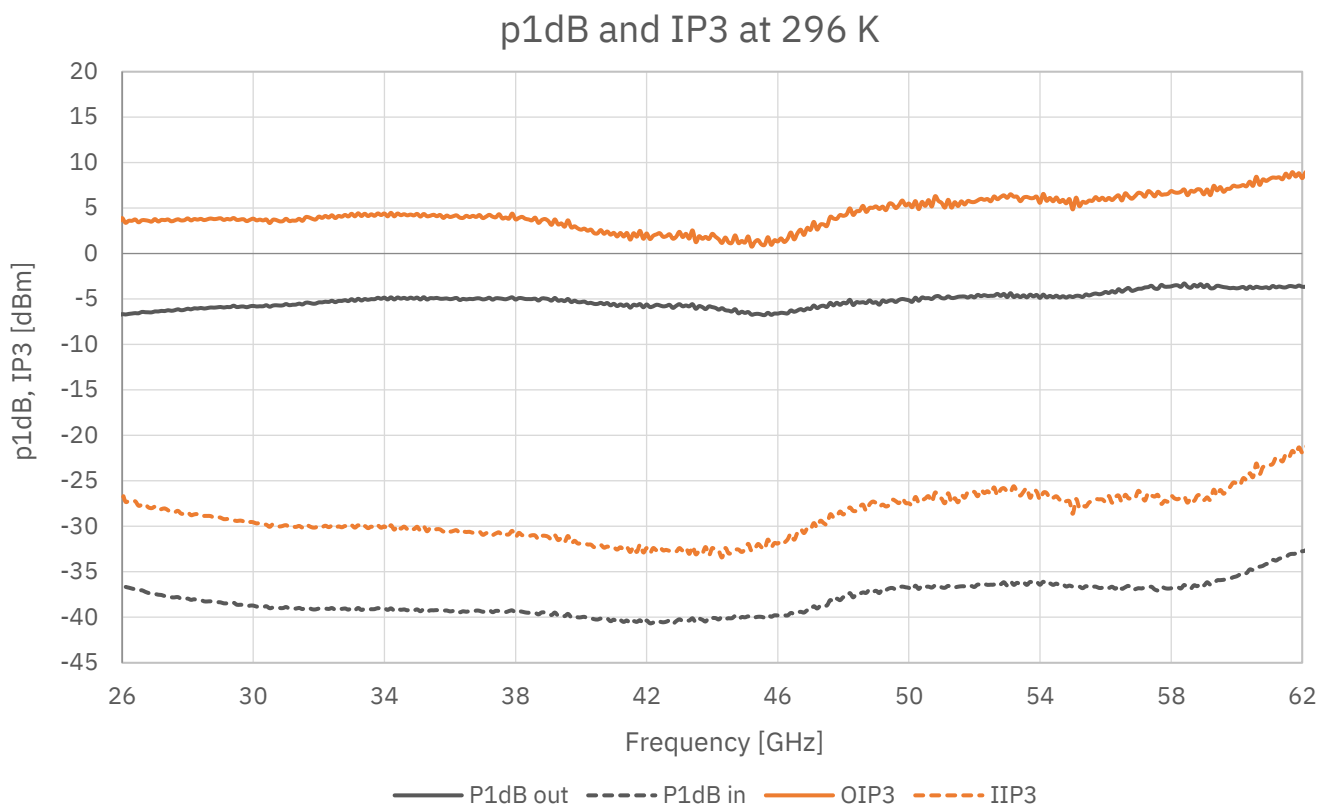
Parameter	Value	Unit
IRL	10	dB
ORL	10	dB
Output P1dB	-5	dBm
OIP3	4	dBm
Weight	9	grams

LNF-LNR26\_62A\_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 industry standard 1.85 mm connectors for the RF ports 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

