

## Low noise Amplifier Module

### Product Features

- Frequency: 0.1-67GHz
- Gain =22dB
- Output P1dB=14.5dBm
- NF=6.7dB



### Electrical Specs:

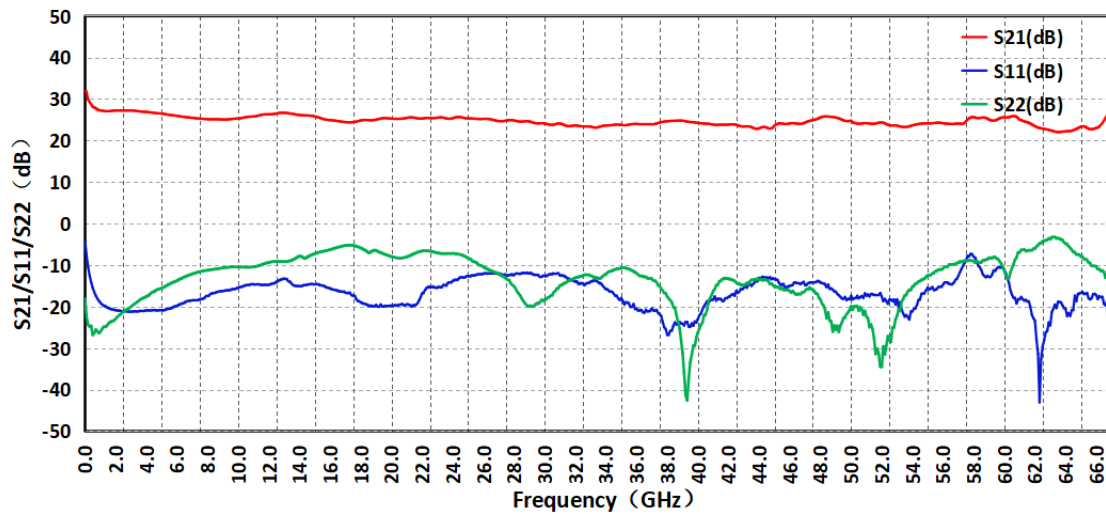
| Parameter                 | Minimum | Typical | Maximum |
|---------------------------|---------|---------|---------|
| Frequency Range           | 0.1 GHz |         | 67 GHz  |
| Small Signal Gain         | 22dB    |         |         |
| Noise Figure              |         |         | 6.7dB   |
| Output P1dB               | 13.2dBm | 14.5dBm |         |
| Saturated output          | 15.2dBm | 16.5dBm |         |
| Input Power               |         |         | 10dBm   |
| Input Return Loss         |         | 10 dB   |         |
| Output Return Loss        |         | 10 dB   |         |
| DC Voltage                | +5.5V   | +8V     | +10 V   |
| DC Supply Current         |         | 150 mA  |         |
| Specification Temperature |         | +25 °C  |         |
| Operating Temperature     | 0 °C    |         | +50 °C  |

### Mechanical Specs:

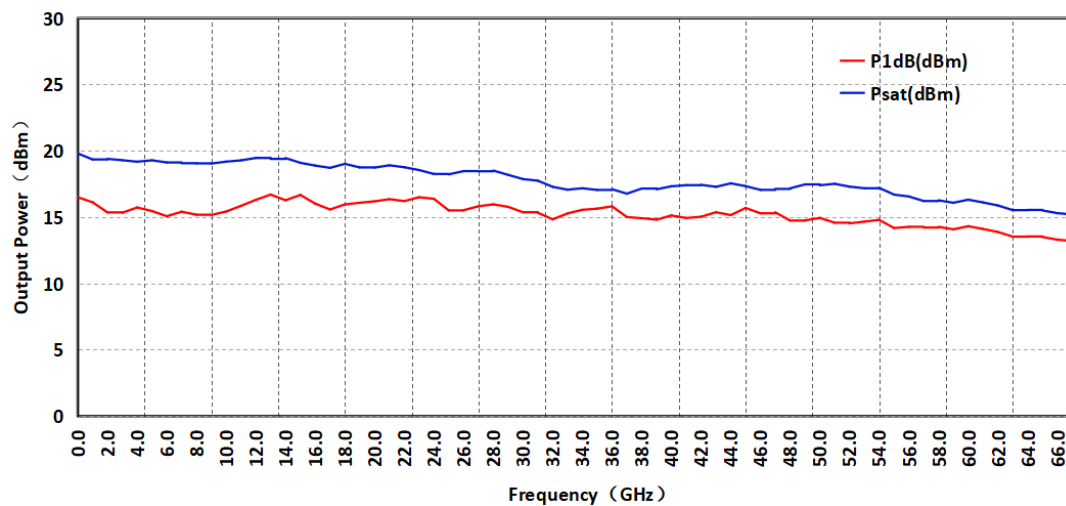
| Item          | Specification    |
|---------------|------------------|
| Input         | 1.85mm(Female)   |
| Output        | 1.85mm(Female)   |
| Bias          | Solder Pin       |
| Case Material | Brass            |
| Finish        | Gold Plated      |
| Weight        | 0.18kg           |
| Size (W×L×H)  | 38.5mm×21mm×19mm |

## Measured Performance:

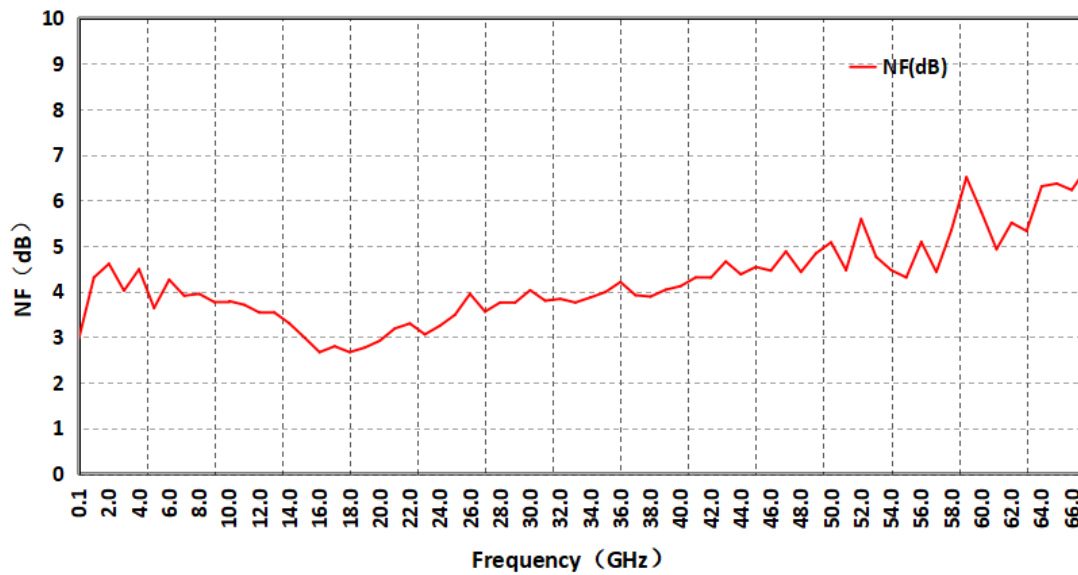
S21/S11/S22 test



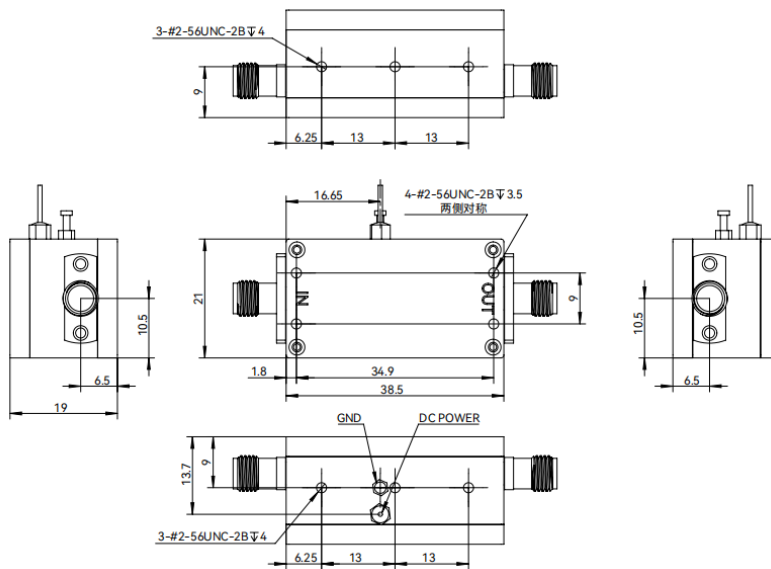
P1dB/Psat test



NF test



## Mechanical Outline:



### Notes:

1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is the typical performance for the reference.