

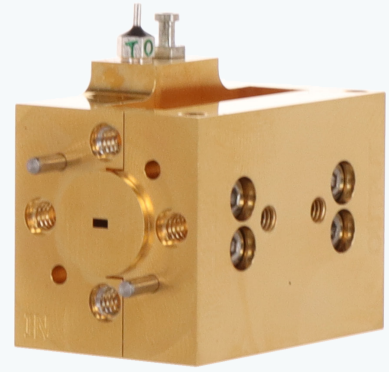
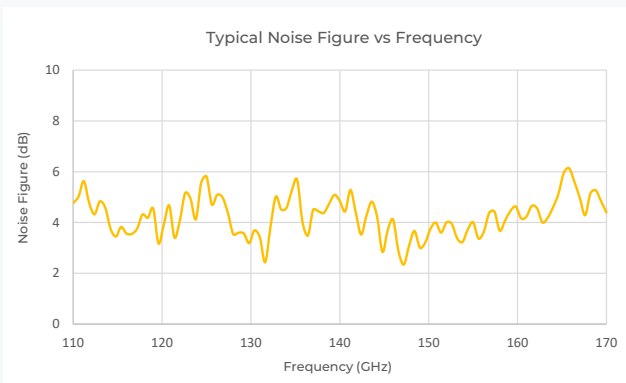
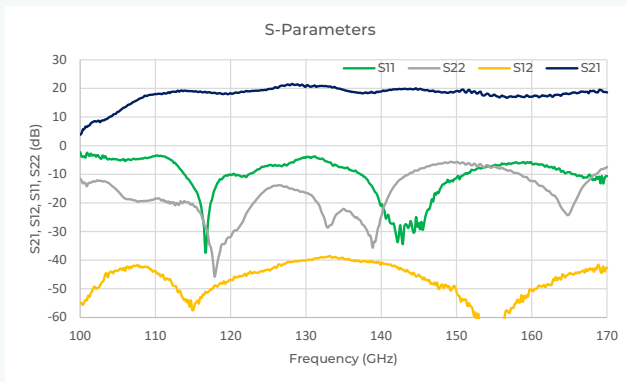


# WR-06 Low Noise Amplifier 110-170 GHz: FLNA-06-0002

Farran's FLNA-06-0002 is a full D-band low noise amplifier providing typical 18 dB gain and 6 dB noise figure.

## Key Facts:

- Low noise figure.
- High gain.
- Full-band performance.
- Single power supply required.
- Compact and lightweight.



## APPLICATIONS

- Communication receivers
- Radar front ends
- Instrumentation
- Test & Measurement
- Point to point communication



## ACCESSORIES

- User manual

We have made many Farran purchases, including amplifiers, mixers and multipliers. They are all high-performance devices and always meet our expectations. Farran supplied each component with comprehensive set of test results and a manual, which is not necessarily a given in this industry. Moreover, due to the accessibility of Farran's engineering team we were able to get CAD models of the devices prior to placing an order. This was a nice touch from the Farran team and helped with integrating the components into our systems so that we could meet our project's deadline with confidence."

**Microwave Circuit Designer & Engineer, Multinational Electronic Test Equipment Manufacturer.**



## Product Specification

| Specification                 | Unit   | Min            | Typ  | Max  |
|-------------------------------|--------|----------------|------|------|
| Operating Frequency           | GHz    | 110            | -    | 170  |
| Gain                          | dB     | 14             | 18   | -    |
| Output PIdB                   | dBm    | -              | -5   | -    |
| Noise Figure                  | dB     | -              | 6    | 8    |
| Input Reflection Coefficient  | dB     | -              | -8   | -    |
| Output Reflection Coefficient | dB     | -              | -10  | -    |
| Input / Output Port           | -      | WR-06 UG-387/U |      |      |
| DC Power                      | V / mA | 5/20           | 6/30 | 9/40 |
| Case Operating Temp. (nom.)   | deg. C | -20            | -    | +50  |
| Dimensions (L x W x H)        | mm     | 31.5 x 20 x 22 |      |      |



### SERVICES AVAILABLE

- Technical Support
- Installation and Setup
- Maintenance
- Application Support
- Hardware Support

For more information on any of our products or services please visit our website: [www.farran.com](http://www.farran.com)



### TECHNICAL SUPPORT

- Technical support provided directly by our knowledgeable and friendly engineers.
- Support for pre- and post-purchase: system configuration, installation and troubleshooting.



### PRODUCT INSIGHTS

- For more product insights register at [www.farran.com/customer](http://www.farran.com/customer)
- Additional information: test data, CAD drawings and 3D models available.



### WARRANTY

- Standard 1 year warranty.

### Specification Definitions

**Nominal value (nom.)** – ensured by design, not tested. **Measured value (min, max)** – expected and warranted product performance obtained from the actual measurements of product sample. **Non-traceable measured value (n. trc. meas.)** – expected product performance obtained from the actual measurements of a product sample by means of using Farran's own equipment and methods. Traceable only to Farran laboratory equipment. **Typical data (typ.)** – value that represents the product specification met over 90% of bandwidth or a mean value. **Specifications without limits** – represent the warranted product performance; with values of no or a negligible deviation from the given value and as such have a secondary impact on the product performance.

