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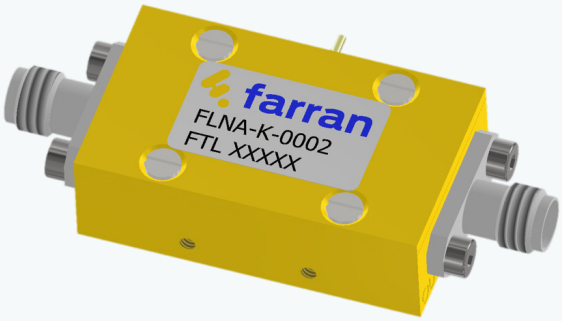
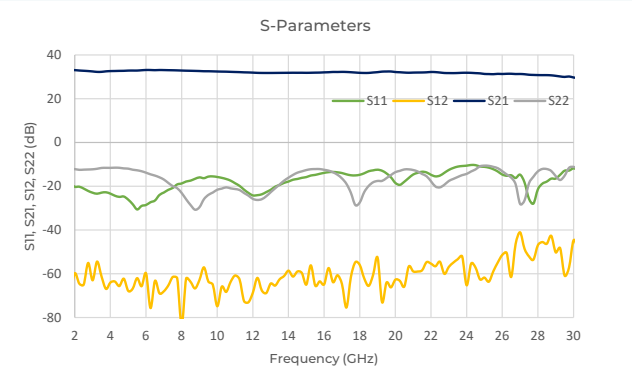
Low Noise Amplifier 2-30 GHz: **FLNA-K-0002**

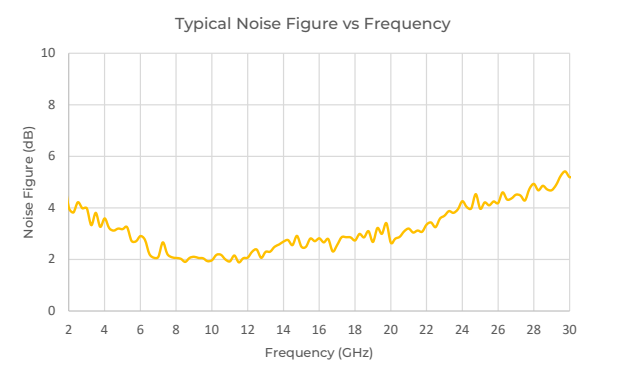


Farran's FLNA-K-0002 is a broad-band low noise amplifier providing typical 31 dB gain and 4 dB noise figure. This exceptional perfomance is achieved through the use of superior GaN E-PHEMT technology, making it ideal for various Telecom applications.

Key Facts:

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





APPLICATIONS

- Communication Systems
- Radar Front Ends
- Instrumentation
- Test & Measurement
- R&D Labs
- Wireless Infrastructure

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 system so that we could meet our project's deadline with confidence."

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

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Low Noise Amplifier 2 - 30 GHz: **FLNA-K-0002**

Product Specification

Specification	Unit	Min	Typ	Max
Operating Frequency	GHz	2	-	30
Gain	dB	29	31	-
Output P1dB	dBm	-	+13	-
Noise Figure	dB	-	4	5.5
Input Reflection Coefficient	dB	-	-10	-
Output Reflection Coefficient	dB	-	-10	-
Input / Output Port	-		K (F)	
DC Power	V / mA	-	6/140	-
Case Operating Temp. (nom.)	deg. C	-20	-	+50
Dimensions (L x W x H)	mm		34 x 20 x 10.5	

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

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
- 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.