

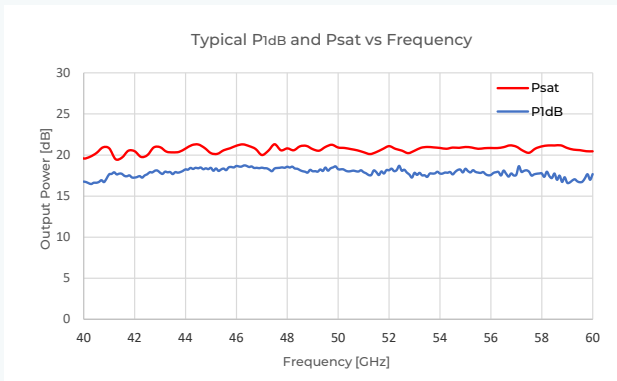
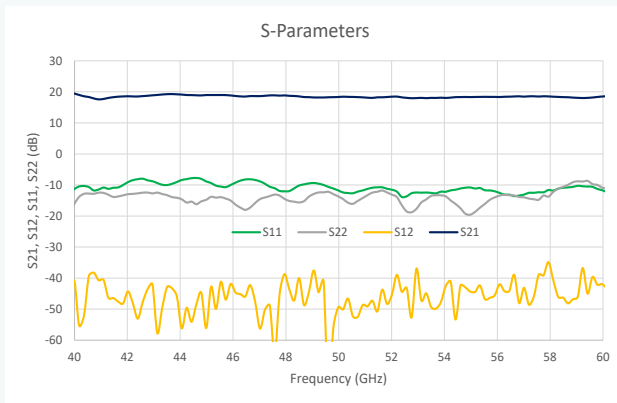


WR-19 Power Amplifier 40-60 GHz: **FPA-19-0001**

Farran's FPA-19-0001 is a full-band WR-19 waveguide amplifier providing +20 dBm typical output power.

Key Facts:

- High gain
- High P1dB
- Full-band performance
- Compact and lightweight



APPLICATIONS

- Communication transmitters
- Radar front ends
- Driver amplifiers
- 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	40	-	60
Output Psat	dBm	-	+20	-
Output P1dB	dBm	-	+17	-
Gain	dB	15.5	18.5	-
Input Reflection Coefficient	dB	-	-10	-
Output Reflection Coefficient	dB	-	-10	-
Input / Output Port	-	WR-19 UG-383/UM		
DC Power	V / mA	5/300	6/350	9/500
Case Operating Temp. (nom.)	deg. C	-20	-	+50
Dimensions (L x W x H)	mm	41.5 x 29 x 37		



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.

