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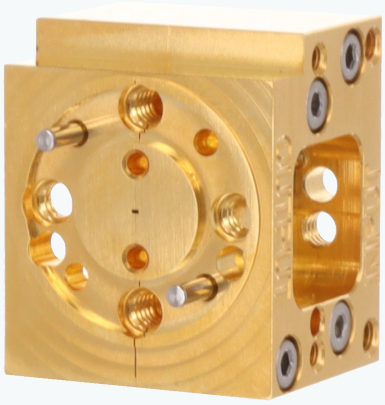
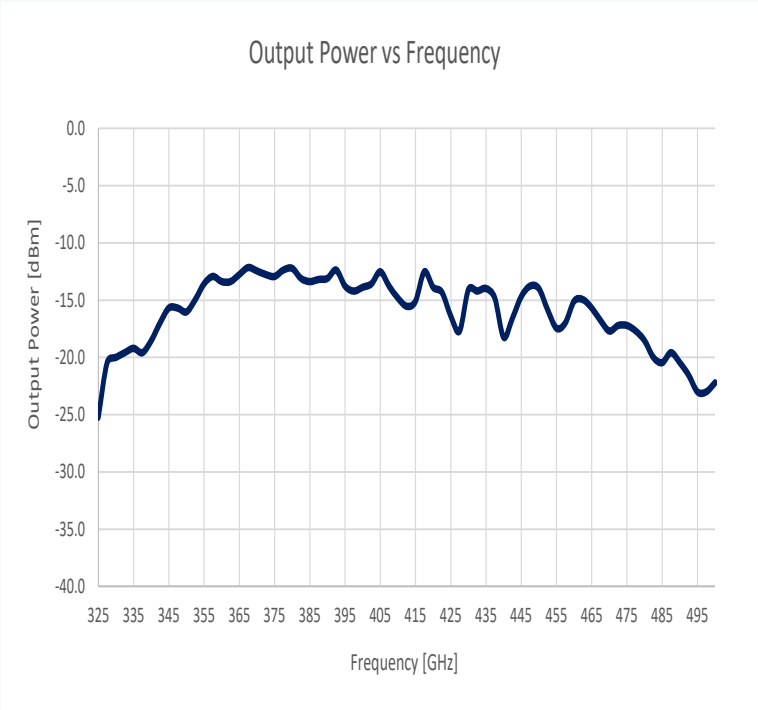
x5 Passive Multiplier 325-500 GHz: **FQ-02-0001**



Farran's FQ-02-0001 is a general purpose x5 full band passive quintupler in the WR-02 325-500 GHz frequency range

Key Facts:

- Wideband Coverage
- High Effeciency
- Fixed Tuned
- Unbiased Planar Diodes



APPLICATIONS

- Communication receivers
- Radar front ends
- Driver amplifiers
- 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 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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Product Specification

Specification	Unit	Min	Typ	Max
Input Frequency	GHz	65	-	100
Output Frequency	GHz	325	-	500
Multiplication Factor	-	-	5	-
Pin	dBm	+9	+11	+13
Pout (n. trc. meas.)	dBm	-	-20	-
Effeciency	%	-	0.2	-
Input Port	-	-	WR-12 UG387/ U-M	-
Output Port	-	-	WR-02 1785 Precision Style Compatible with UG387/ U-M	-

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.