

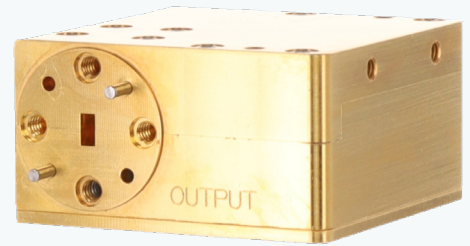


W-Band x6 Active Multiplier 75-110 GHz: FXA-10-0002

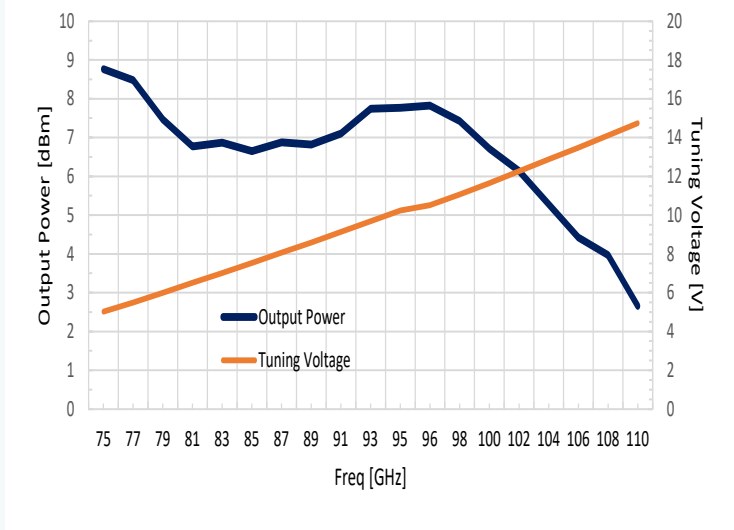
Farran's FXA-10-0002 is a general purpose MMIC packaged x6 multiplier in the W Band 75-110 GHz frequency

Key Facts:

- Wideband Coverage
- Compact Outline
- Low Power Consumption
- Low Harmonic Levels



Output Power and Tuning Voltage vs Frequency



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 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
Input Frequency	GHz	12.5	-	18.33
Output Frequency	GHz	75	-	110
Multiplication Factor		-	6	-
Pin	dBm	0	7	10
VCO FB Output Power (nominal)	dBm	-	less than 0	-
VCO Tuning Volt (nominal)	V	0	-	20
Harmonic Level (nominal)	dBc	-	-30	-
Switch Control Voltage	0 (on)		-	3.3 (off)
DC & Control Connector		9 Way Micro-D		
Pout	dBm	0	7	10
Harmonic Level	dBc	-	-30	-
Supply Voltage	V	-	6	-
Current	mA	-	1000	-
Input Connector		SMA(f)		
Output Connector		WR-10 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.

