

## Valon Technology Introduces the Valon 5015, a 15GHz Frequency Synthesizer Module for High-Precision Applications

*Valon's latest addition to its range of high-frequency synthesizer sources extends the available frequency range to 15GHz with exceptionally low phase noise.*

**REDWOOD CITY, Calif.—May 1, 2018—**[Valon Technology](#), an innovator of radio frequency products for wired and wireless applications, announces the availability of the [Valon 5015 wide-range frequency synthesizer module](#). Designed for use in critical frequency synthesis and clocking applications, the Valon 5015 uses multiple phase-lock loops to provide high-level, low-phase noise signals throughout the 10MHz to 15GHz range.

Designed and manufactured in California, Valon's range of frequency synthesizers are perfect for a wide variety of applications that require a spectrally pure and highly stable signal source or timing clock, such as wireless engineering, point-to-point microwave communications, electro-optics, molecular spectroscopy, particle physics, and radio astronomy.

"I am looking forward to evaluating the new Valon 5015. I like the good value of the Valon 5009 synthesizer for solving our projects' needs. We are currently using them for injecting calibration tones into our MA-C signals intelligence receiver system," said Steve Ahlport, CTO of VStar Systems Inc., a security technology company.

"Our synthesizers often replace laboratory generators costing many times more. They are rugged, reliable and versatile — and deliver a breakthrough combination of cost and performance," said Stuart Rumley, owner and president of Valon Technology. "We listened to our customers' requests for a low-cost, easy-to-integrate module. The new Valon 5015 frequency synthesizer addresses all these requirements at an extremely competitive price point. The key feature of all Valon products is how easily and simply they can be incorporated into the user equipment."

### Valon 5015 frequency synthesizer feature overview

- Uses multiple phase-lock loops to provide exceptionally low phase noise over the 10MHz to 15GHz range.
- Multiple loop technique also greatly reduces spurs while providing high-resolution tuning precision.
- High RF power output across a wide frequency range >13dBm, typically 15dBm.
- Incorporates an efficient switching power regulator allowing for an input voltage range from 5 to 15 volts.
- Versatile communication interfaces: USB, Ethernet, SPI, and TTL Serial.
- External reference frequency can be from 10MHz to 120MHz
- EFC – Electronic frequency control for special measurement system applications.
- Rugged design coupled with Valon's proven design and testing methodology ensures high reliability for the most demanding applications.

### Pricing and availability

The Valon 5015 frequency synthesizer costs \$1,795 plus shipping. First customer shipments will commence mid-June. Volume pricing is available on request. Visit [ValonRF.com](#) to learn more, request a quote, or place an order.

**Where to get more information**

Visit the [Valon 5015 product page](#)

Read the blog post about the new Valon 5015 module

<https://www.valonrf.com/rf-technology-blog/new-valon-5015-15ghz-frequency-synthesizer>

**About Valon Technology**

Valon Technology LLC designs and manufactures innovative RF and microwave products for science, industry, defense and academia. The firm's product design portfolio encompasses a variety of special products such as high dynamic range transceivers, radar front-end modules, high-power industrial amplifiers, and various short-range data and security devices. Valon is committed to total customer satisfaction, superior product quality, and exceptional customer service. Founded in 1987, Valon Technology is headquartered in Redwood City, California. For more information, visit [ValonRF.com](http://ValonRF.com).