RF Optic
Optical RF Solutions
NEWS

RFOptic Newsletter - December 2018

Welcome to our last newsletter of this year. We are ending the year on a high note with the introduction of our latest generation of **40GHz RFoF and ODL solutions**. We have also introduced our new innovative **GPS over Fiber product line** suitable for GPS over Fiber, timing synchronization, and DAS. In this newsletter, we are also putting the spotlight on our **multi-link solutions** especially suitable for broadcast, GPS, remote antenna and Satcom. Last but not least, RFOptic has more than **doubled its market share in the North American markets** this year!

Enjoy your read,
Your RFOptic Team

RFOptic Has Launched Its GPS over Fiber solutions

RFOptic's palm size analog RFoF modules for GPS applications supporting up to 2.5 GHz, are used to convert RF signals to optical signals to carry over long distances.



These next generation RFoF modules have significant performances improvement including:

- Supporting up to 0.5 MHz – 2.5 GHz.
- Better linearity, excellent gain flatness, and Tx, Rx and link gain control.
- Noise Figure down to 5 dB with LNA with MDS ~168 dB/Hz for very low incoming signals.
- Internal micro-controller and optical control are enabled by software.
- End-to-end diagnostics reduce installation and maintenance time, enabled by software.
- Gain variation S21(fo) of ±1 dB for 90° C variation, utilizing special algorithm.
- Remote Management by GUI installed on PC.
- Impedances of 50 Ohms and 75 Ohm.
- Bias-T (5V – up to 250 mA)

To download the brochure, click here.

Spotlight on RFOptic's Multi-link Solutions



RFOptic's analog multi-link RFoF solutions are designed to help customers deploy multi-channel solutions. Multi-link RFoF solution is flexible enough to accommodate any number of RFoF links, typically between 2 to 8 links.

A multi-link solution comprises of two enclosures: One housing contains the receive modules and the other housing the transmit modules. In case of bidirectional support is needed the enclosures house both Tx and Rx modules. RFOptic provides a variety of rack mountable and outdoor enclosures based on customer needs.

For more information, about our RFoF converters up to 6GHz, click here.

RFOptic Has Launched Its Latest Generation of 40GHz RFoF and ODL Solutions

RFOptic has launched its next generation of 40GHz RF over Fiber compact modules with superior features for telecommunications and radar applications, satellite, point-to-point remote antennas and broadcast. This latest generation of 40GHz Optical Delay Line (ODL) modules provide a high performance solution for testing and calibrating radar systems or RF communication equipment.



Main benefits:

- Excellent flatness along the whole bandwidth
- Gain of -30dB
- NF ≤ 35dB
- SFDR ≥ 110 dB/$Hz^{2/3}$
- Better NF and Gain with preamplifier/post amplifiers combination
- Remote control interface
- Standard 19" rack mountable

To read the full press release, click here.

To download the brochure, click here.

RFOptic is booming in North America



RFOptic and its North America distributor, Summit Communications Solutions (SummitCSC) have had a stellar year. RFOptic has been active in the North American market since 2011. This year has been a turning point for the company thanks to its introduction of several market driven solutions, including GPS over Fiber and RF over Fiber solutions as well as ODL solutions up to 40 GHz.

Over the years, RFOptic has established itself in the American and Canadian markets as the premium provider of off-the-shelf and customized solutions. The company has also differentiated itself from its competitors by providing very quick turnaround times even for customized solutions.

During 2018, we have seen many customers starting to move from their legacy RFoF solutions to RFOptic's programmable solutions. Thanks to all its innovation efforts, hard work and customer focus have helped RFOptic to double its market share in the North American market.

To experience firsthand what makes RFOptic and SummitCSC different from its competitors, call +1 732 543 5738 or send an e-mail to usa@rfoptic.com.

As always, feel to send us your feedback, to share this newsletter and to follow us on LinkedIn and Facebook.

