

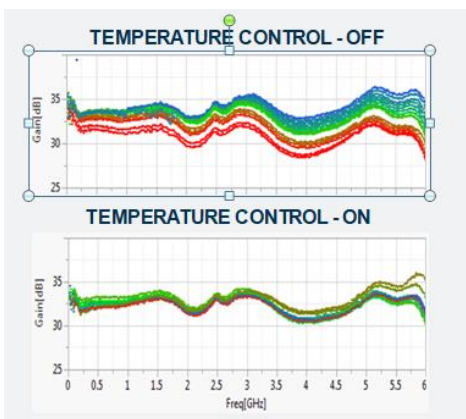


RFOptic Newsletter - February 2018

2018 is going to be an exciting year for RFOptic. As part of our ongoing R&D to make our offerings even better, we have added temperature compensation capability to our RF over Fiber programmable line products. We also launched RF over fiber for phased array applications and are going global with our ODL providing affordable customized solutions for specialty applications. We also closed a distribution contract with a leading Italian distributor. Such agreements provide excellent local support and easy access for our customers in several strategic markets.

To be announced soon: 40GHz RF over Fiber link for RFoF and ODL applications!

New! RFOptic Advanced Software for Temperature Compensation



As RFOptic, we make it our mission to improve our offerings for the benefit of our customers. That's why we have added a new and exciting temperature compensation feature to our RFoF programmable product line for improving performance.

The sophisticated software provides compensation for optical power and gain over a wide range of temperatures. The temperature compensation is achieved without the use of power-hungry thermoelectric cooling (TEC).

It monitors the local temperature and adjusts the link gain so that it remains within ± 1 dB of the set point. The adjustment is performed automatically on a user selectable schedule. Last but not least, the temperature compensation option can be activated independently for each of the RFoF terminals.

For more information please contact [RFOptic](#)

Update! RFOptic is going global with its ODL solution

As RFOptic, we are rolling out our Optical Delay Line (ODL) solution worldwide, leveraging our deployments in measurement of distances for radar calibration with unparalleled accuracy levels based on predefined ranges.



The ODL systems are used for transposing signals to distances ranging from a few meters to more than 100 kilometers. They are RF over Fiber solutions with a defined delay line that is used in radar and microwave systems, e.g., for path delay calibration. Programmable or fixed delays can be delivered with great accuracy and optical loss compensation. Delay selection may be manual or remote using a simple user interface.

RFOptic offers five groups of ODL solutions operating at different frequency bands starting from 10 MHz up to 20 GHz. ODL solutions operating at up to 40 GHz frequency will be launched later this year.

For more information, click [here](#)

Spotlight on RFOptic's RF over fiber for phased array applications



For the last few years, RFOptic has been enabling RF over fiber for phased array [radar applications](#).

Some background - Phased array antenna is a well-known technology in the radar world. It is an antenna that is comprised of multitude of elements which can be receivers or transmitter-receiver (TR) elements. These elements are arranged and driven in a particular phase

and amplitude pattern that forms electronically steerable radar beams.

These applications use RFoF technology to distribute signals to all the antenna elements ensuring coherence, performance matching and bandwidth that cannot be achieved with coax cables.

As RFOptic, we offer our customers RFoF products as an integral part of their phase array radar solutions. The uniformity in the RF parameters and the flexibility in the gain adjust together with the friendly GUI makes our programmable RF over Fiber products at 500 KHz to 6 GHz highly attractive for such applications.

For more information please contact [RFOptic](#)

RFOptic Closed a Distributor Agreement for the Italian Market



To reach out to and support more customers worldwide, RFOptic closed a distributor agreement with Laser Optronic, which has been operating successfully in the Italian laser technology market for over 40 years. (In the image, the VP of RFOptic is on the left, and the Laser Optronic team is on the right).

This agreement is another addition to RFOptic's expansion into strategic markets. RFOptic already has a presence in Germany (working with a company that supplies leading-edge products for RF and optical transmission application), and in Spain via a company that distributes RF and microwave products to both the domestic and European mobile communications industries, with the extension of the frequency band to microwaves.

For an overview of RFOptic global presence, click [here](#)
