RFOptic Newsletter - Q4 2019

Welcome to our last newsletter of 2019. We are looking back at a very successful year and we are looking forward to an even better 2020. As announced before, we have introduced our new line of High SFDR RFoF Solutions. We have also supplied various US customers with subsystems to provide an end-to-end solution. You can also read more about gain matching capabilities. One of our unique selling points is our excellent response time and service as vouched for by our customers, including tier-1 defense systems integrators. Last but not least, we are updating you about our attendance of two events.

Enjoy your read, your RFOptic team.

New! MiniQ Series - High SFDR RFoF Solutions

Our MiniQ series addresses the need when a wide range of spurious-free dynamic range (SFDR) is desirable when multiple signals of very different power levels are expected. RFOptic's MiniQ 18GHz, 20GHz, 30GHz, and 40 GHz RFoF solutions provide high SFDR of minimum 112 dB/Hz. Applications include distributed antenna, satcom, radio telescopes, EW, and communications.

For more information, click here

RFOptic Provides Subsystems as well as RFoF Links

As we have mentioned in a previous newsletter, we have added subsystems to our product portfolio to meet requests for diverse enclosures (indoor and outdoor) supporting multiple RFoF links with monitoring and management capabilities. We deliver the end-to-end solutions in cooperation with various integrators and optical suppliers specializing in e.g., fiber and patch panels. Our subsystems are already deployed by US telecoms, EW integrators, and military communications integrators.

All our subsystems are monitored and managed locally or remotely by SNMP/HTML. The customer can drill in and change any parameter like Gain, Noise Figure, P1dB, Optical power etc. We added also IFL interface (intra facility link) through the optical link.

For more information, contact info@rfoptic.com

RFOptic solutions have gain matching

Our high-frequency solutions have gain matching for maximum efficiency. This ensures that optimum non-linear frequency conversion is achieved, resulting in a close to zero mismatch. Our gain matching ensures small gain deviation between several links. Amplitude matching is achieved thanks to built-in digital attenuators in the Tx and the Rx modules of each transceiver.

To calculate the link gain, use our helpful online simulator. Designed for the programmable RFoF family (2.5 GHz, 3 GHz, 4 GHz, and 6 GHz), it helps users to determine how the embedded LNA and attenuator should be set up.

To learn more, contact us.

Our Quick Response Time and Service Sets Us Aside from the Competition

For several years now, RFOptic has been providing its Optical Delay Line solutions US system integrators and major defense contractors for e.g., range simulation of radar systems. Apart from our leading solutions, we are also known for our excellent service and support.

To illustrate, one of our customers recently detected an issue with its deployment of our ODL. In close cooperation with the customer, we were able to solve the issue within a couple of days. The customer was impressed, since mitigation time by other providers normally takes several weeks. As a result, the satisfied company introduced RFOptic's US partner at its premises to several other potential customers that could be interested in our RFoF and ODL solutions.

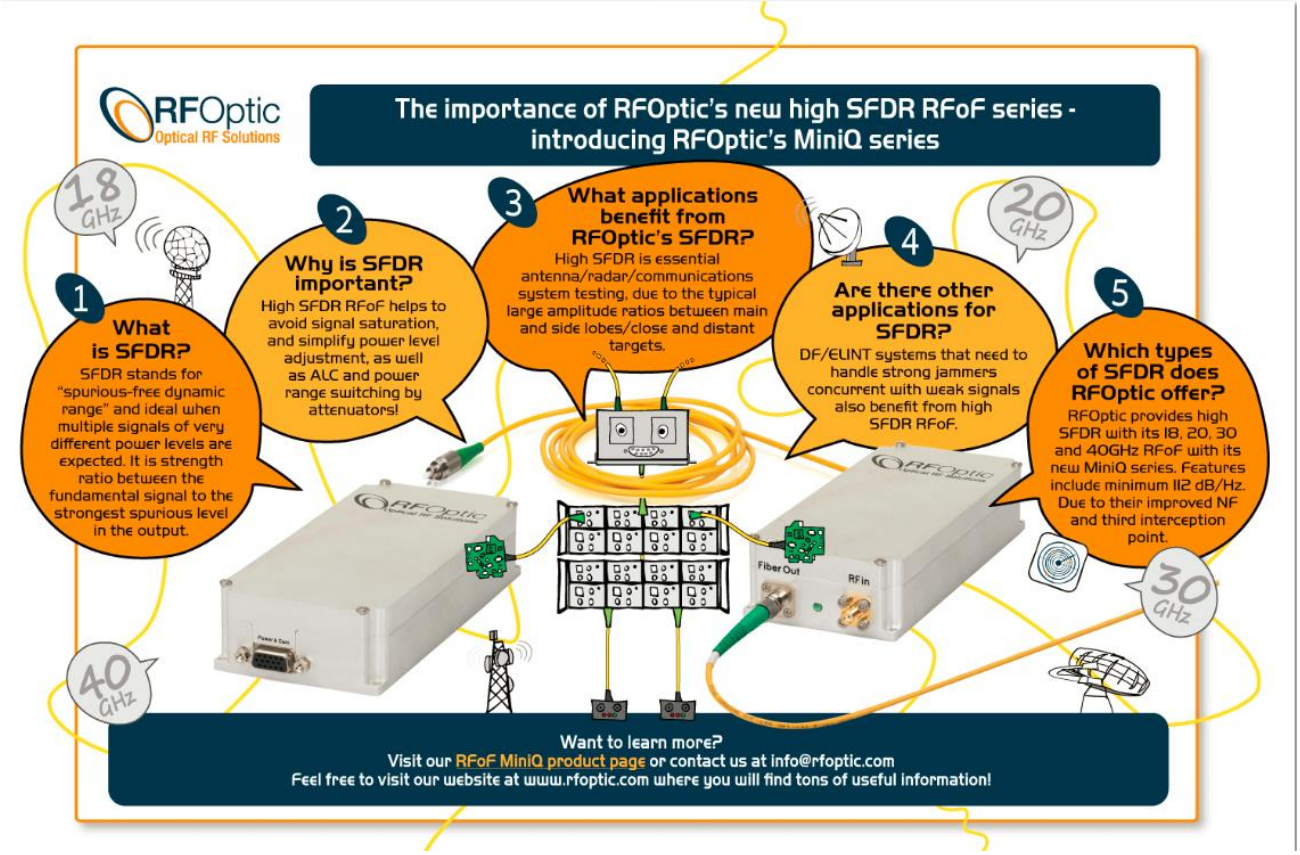
RFOptic was present at two important US events

Recently, RFOptic's US partner SummitCSC attended two important joint events. In October, SummitCSC attended the NAB Show New York demonstrating RFOptic's solutions at booth #N943 of partner FIS Blue. In an adjacent hall, SummitCSC attended the AES New York 2019, the 147th Pro Audio International Convention. The RFOptic and FIS Blue partnership allows the companies to provide their customers with an end-to-end solution that includes RFoF modules, ruggedized connectors, and specialty tactical fiber cables. Further, this partnership enables the testing of the end-to-end integrated solution before shipping it to the customer.

To keep abreast on future exhibitions that we are attending, visit our events page.

Check out our latest infographic!

We just launched a new infographic explaining the importance our new SFDR RFoF series
If you prefer, you can also view it in PDF format here. We would love to receive your feedback!



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