

Type :- Press Release

RFOptic has launched its new RFoF Ultra product series to meet the increasing demand for RF-over-Fiber links and subsystems for 12 GHz and beyond

Embargo Info

Under Embargo: No

Publication Date: Dec 12 2024 7:32AM

Company: RF Optics

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Content

PARLIN, NJ, December 11, 2024 — RFOptic, a leading provider of RFoF (RF over Fiber) and Optical Delay Line (ODL) solutions, today announced the launch of its RFoF Ultra product series. This meets the demand of customers in the electronic warfare market requiring coaxial replacement at frequencies from 100 MHz to 12 GHz and up to 18 GHz. The RFoF Ultra series shares the same small footprint as the programmable RFoF series.

" At the request of our customers, we have developed our new RFoF Ultra product line for frequencies up to 18 GHz. The RFoF Ultra series is a cost-effective alternative to our standard solutions for RF over Fiber High SFDR up to 18 GHz. All RFoF Ultra products are supported by our monitoring and control software , which is designed to manage, monitor, and control RF over Fiber converters and RFoF systems locally or remotely, even in the case of a standalone module (Tx or Rx)," explains Dr. Avner Sharon, Managing Director of RFOptic.

The small RFoF Ultra is suitable for RFoF solutions for 5G testing at 7.1 GHz and above with improved ACLR. The RFoF Ultra links offer high dynamic range and can better handle 5G and 6G cellular traffic with improved ACLR and EVM. Thanks to their size and structure, the Ultra product line can be installed in high-density 2U subsystems, accommodating up to 40 transceivers or 20 semi-bidirectional modules. Furthermore, the compact Ultra modules are ideal for 1U 19" subsystems, where up to 8 modules can be installed per chassis.

Key features of the Ultra product line include:

- Frequency range: 10 MHz to 12 GHz, 18 GHz.
- Compact dimensions.
- USB-C monitoring and control interface.
- Low power consumption.
- Operation at 1550 nm and 1310 nm.
- Operating temperature from -40 °C to +70 °C.
- Optionally with pre- and post-amplifier.
- Contact us for WDM solutions.

Supporting Links:

<https://rfoptic.com/monitor-and-control/>

Tags:

Fiber Optics, Optical Communications, Optical Components, Optics, RF

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