

## The importance of RFOptic's new high SFDR RFoF series - introducing RFOptic's MiniQ series

1

### What is SFDR?

SFDR stands for "spurious-free dynamic range" and ideal when multiple signals of very different power levels are expected. It is strength ratio between the fundamental signal to the strongest spurious level in the output.

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### Why is SFDR important?

High SFDR RFoF helps to avoid signal saturation, and simplify power level adjustment, as well as ALC and power range switching by attenuators!

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### What applications benefit from RFOptic's SFDR?

High SFDR is essential antenna/radar/communications system testing, due to the typical large amplitude ratios between main and side lobes/close and distant targets.

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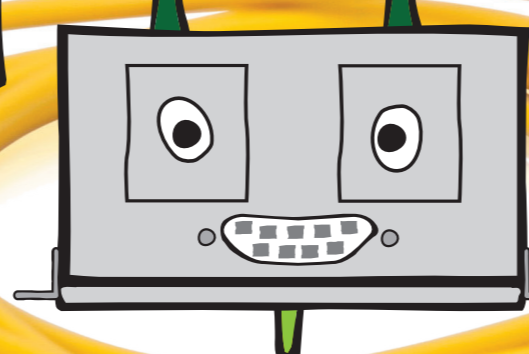
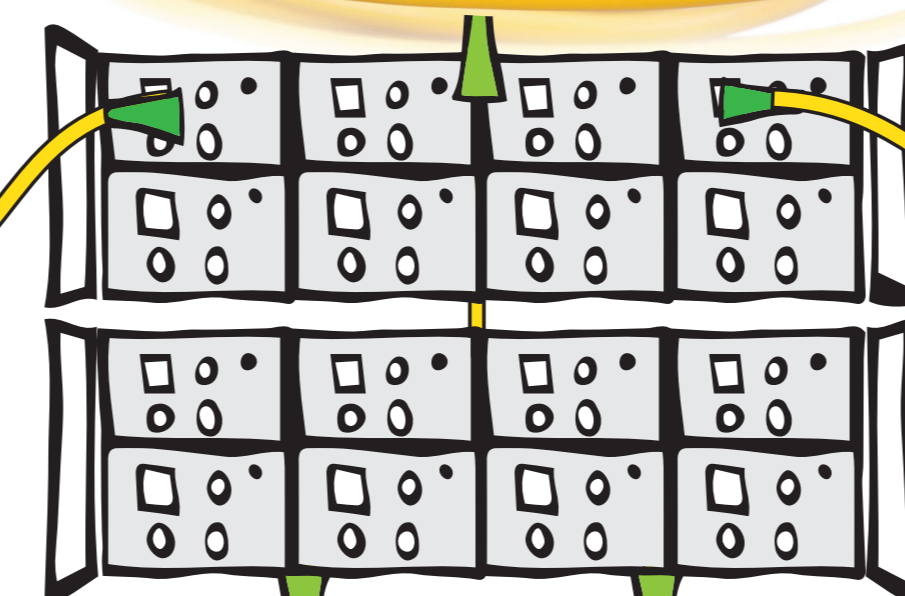
### Are there other applications for SFDR?

DF/ELINT systems that need to handle strong jammers concurrent with weak signals also benefit from high SFDR RFoF.

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### Which types of SFDR does RFOptic offer?

RFOptic provides high SFDR with its 18, 20, 30 and 40GHz RFoF with its new MiniQ series. Features include minimum 112 dB/Hz. Due to their improved NF and third interception point.



Want to learn more?

Visit our [RFoF MiniQ product page](#) or contact us at [info@rfoptic.com](mailto:info@rfoptic.com)  
Feel free to visit our website at [www.rfoptic.com](http://www.rfoptic.com) where you will find tons of useful information!