

Building on the success of n-plexers developed over the past decade, MtronPTI is introducing high-power handling multi-octave n-plexers for electronic warfare (EW) applications. These products are available in lumped element, cavity, and suspended substrate topologies. The versatility and performance of multi-octave n-plexers empower modern EW systems with the capabilities crucial for effective threat detection and response.

Key Features and Benefits:

Reception and Analysis of Spread-Spectrum Signals:

Facilitates real-time analysis and processing across a broad spectrum of signals which is essential for promptly identifying and responding to threats in dynamic electromagnetic environments.

Better Signal to Noise Ratio: Enhances the signal-to-noise ratio by isolating desired signals from background noise. This heightened sensitivity empowers EW systems to detect and track weaker signals amidst the most challenging spectrum conditions.

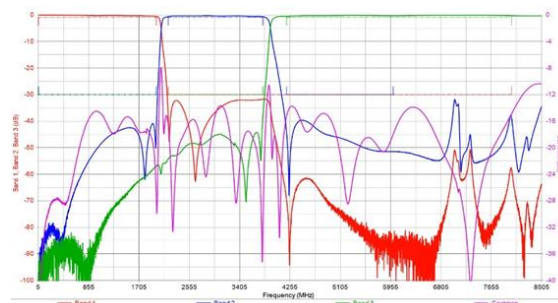
Agility and Adaptability: Multi-octave n-plexers enable rapid frequency switching and response to emerging threats. Used in modern electronic warfare tactics like frequency-hopping and direct-sequence spread-spectrum techniques.

Product portfolio:

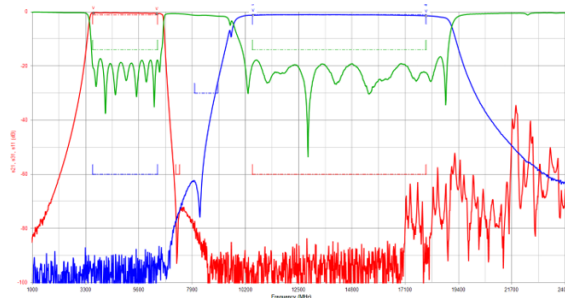
- Multi-octave bands
- Low signal loss <1.0dB
- High power handling designs available

About MtronPTI:

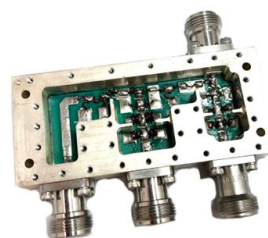
MtronPTI is a leading provider of filters, oscillators, and solutions for defense and aerospace applications. With a legacy of innovation spanning nearly 60 years, MtronPTI continues to be a trusted partner for organizations seeking reliable and high-performance products and solutions.



Filter 1: Three channels: 1-2GHz, 2.2-3.8GHz and 4.2-8.0GHz



Filter 2: Two channels : 3.6-6.5GHz, 10.5-18.0GHz



Filter 1



Filter 2