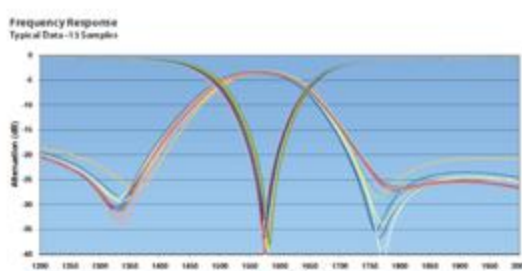


Accurate Positioning



Dielectric Laboratories has released a new thin film, GPS notch filter at 1575 MHz.

The AFL04212 has the following specifications and is delivered in a .250 square surface mount package:



For greater detail or to request pricing and samples, contact [Spartech-South](#).

Noise Abatement Procedures



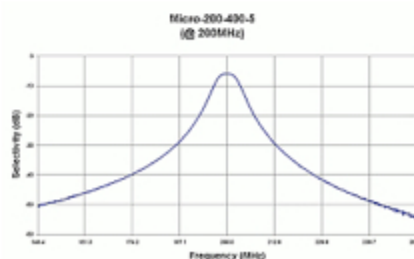
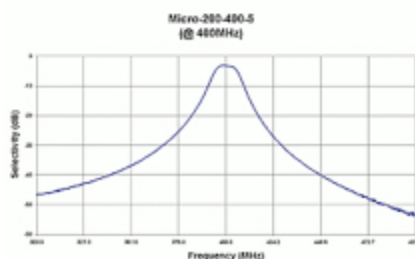
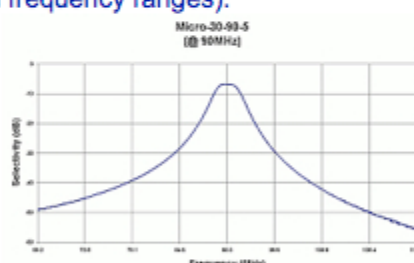
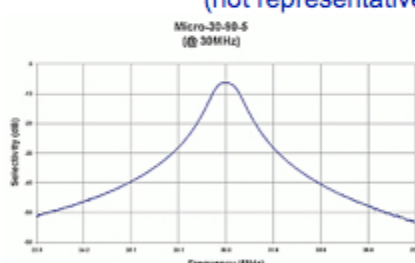
Pole Zero is the go to company for designers who need tunable filters. The [MICRO-POLE® Series](#) was developed to address applications needing a small, surface mount package.

This tunable filter is varactor-based in order to minimize size and power consumption. The varactor design also supports requirements up to 2 GHz (custom designs have been completed). Our standard digital interface is included for ease of integration into your design and can support either serial or parallel requirements.



Performance

The following plots illustrate approximate performance (not representative of all frequency ranges):



Smooth Transfers

Spartech-South is pleased to announce we now represent [MITEQ](#) in the Southeast. MITEQ is recognized as a world class supplier with an outstanding reputation for product quality. MITEQ has been serving military, space and commercial customers for over 38 years.



MITEQ designs and manufactures a complete line of high-performance components and subsystems for the microwave electronics community.

MITEQ's product lines are split between two market segments - **Microwave Components & Integrated Assemblies** and **Satellite Communications & Earth Station Equipment**.

The **Microwave Components & Integrated Assemblies Division** offers designs up to and over 60 GHz, including:

- Amplifiers: Moderate to broadband ultra low-noise to medium-power, bipolar, and GaAs FET designs
- Mixers: Single-, double-, and triple-balanced, MESFET and Schottky mixers and low-noise receiver front ends
- Frequency multipliers
- Passive power components
- Microwave control products including solid-state switches, digital attenuators, limiters and phase shifters
- RF and IF signal processing components
- Oscillators: Crystal, voltage, free-running, and phase-locked
- Frequency synthesizers
- Integrated multifunction assemblies
- Fiber optic products



MITEQ's **Satellite Communication & Earth Station Equipment Groups** manufactures the following:

- LNA/LNB Assemblies
- High power amplifiers
- Up/downconverters
- Redundancy switchover units



Many Miteq products have space heritage and custom designs are available. Contact your local [Spartech-South office](#) for literature or product quotations.