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#### Microwave & RF filters

Filters, bandpass, ceramic, LC Crystal, cavity, duplexers www.anatechelectronics.com

#### DROs - 1 to 44 GHz

Dielectric Resonator Oscillators. Commercial, Military, Space. www.lucix.com

#### **SAW Filter Mfg.**

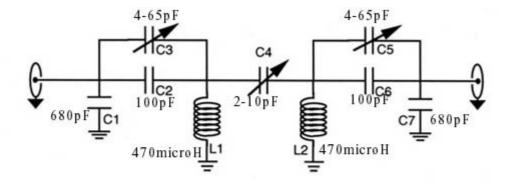
Supplier of IF and RF bar SAW filters and resonato www.amplitronix.com

# **Receiver for Jupiter**

Home D	ual Dipole Arra	RFI	Survey	Guru Receive	Softwares	Links
RF Amp	Narrow Band Pass Filter	Mixer	Low Pass Filte	Preamp	Audio Pow Amp	<u>er</u>

## **3rd Order Coupled Resonator Filter**

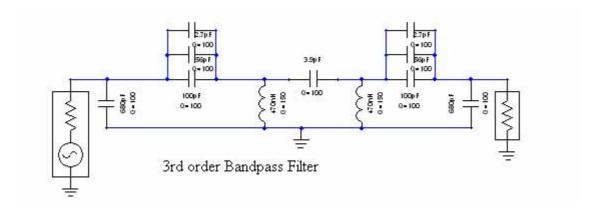
One can also use the 3rd order filter as given in this section. This is relatively simpler but requires tuning. This design is by Richard Flagg.



## COUPLED RESONATOR BANDPASS FILTER

Tuning of this filter to 20.1 MHz can be also achieved by use of fixed components as shown in following figure: -

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The above filter is simulated in Ansoft (Tool for Microwave & RF engineering).

## **View simulated response**

Receiver Considerations for Jupiter

Block Diagram of Receiver

Block Diagram with Specifications

Receiver Photos

