

## Tunable Bandpass Filters

Lark Engineering's DIGITAL CONTROL filters are the new upcoming series of fast switching variable frequency filters that can make life easier for frequency hopping and secure communications systems. It provides a less complicated alternative to controlling and encrypting signals.

### Key features (Typ.)

Impedance : 50 Ohms

Frequency bands : 90-200 MHz, 200-400 MHz,  
400-700 MHz, 700-1000 MHz

Inband max RF power handling : +30 dBm (Input)\*

Inband IP3 : +40 dBm (input)\*

Passband VSWR : <2.1 @ Fc

-3 dB BW : 2.2 to 10%

Bandpass center frequency accuracy  $\pm 1$  MHz

Tuning speed : <50 microseconds

Tuning control : 8 bits parallel

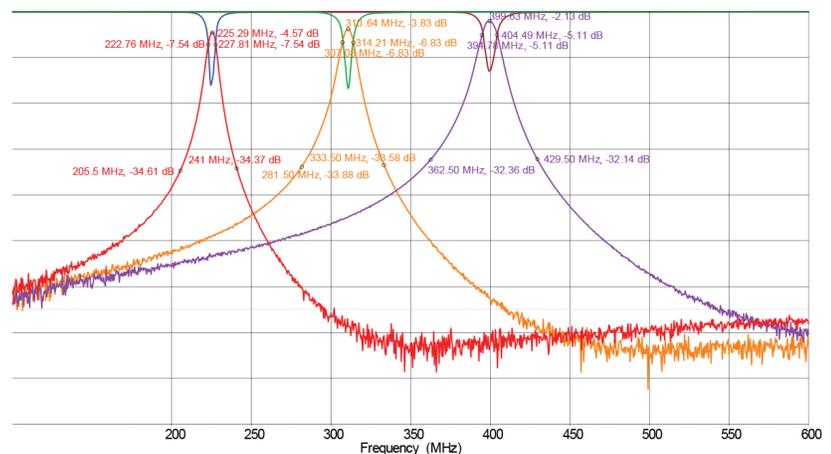
Operating temperature : -40°C to +85°C

Center frequency drift : 80 PPM/°C

Power supply : 5V @ 500 mA

Dimensions (HxWxL) : 1.5" x 2.5" x 3.250"

### Typical Response



These filters are ideal for Software Defined Radio (SDR), Multi-Band Radios, IFF, etc. Custom Tunable Bandpass Filters are available.

For more information, please visit [bench.com/lark/rf-components-solutions](http://bench.com/lark/rf-components-solutions)