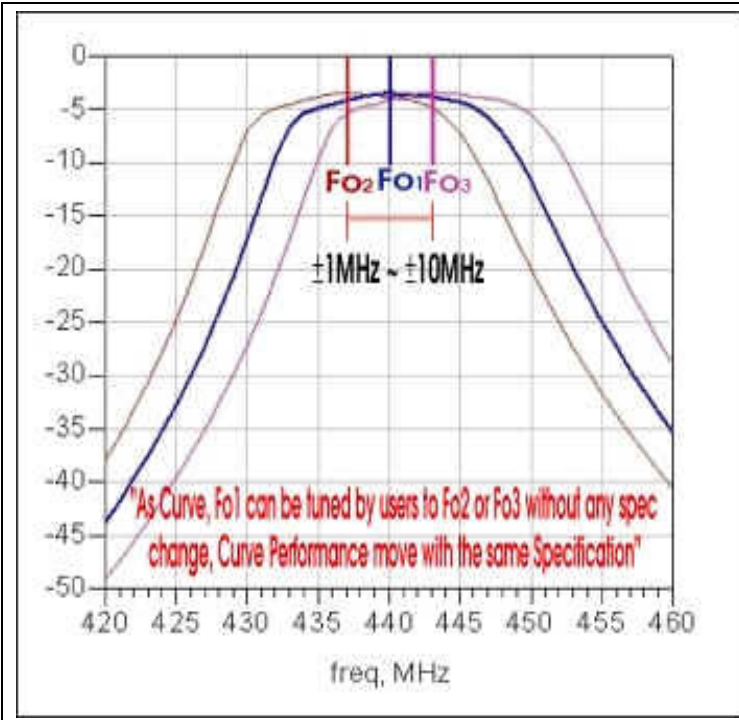


# Temwell BandPass Helical Filter Special Feature



Centre Freq. (Fo)	45~2600 MHz
Bandwidth (-3BW)	2~200 MHz
Series	7H,7S,5W,5R
Pole	2~5 pole
Terminator	Pin Type
Impedance	50Ω,75Ω
Temperature	-30° C ~ +85° C
Input Power	0.5~5 Tunable Watts

## Special 1: User Tunable Range



### Series:

Temwell all Helical Filter Products

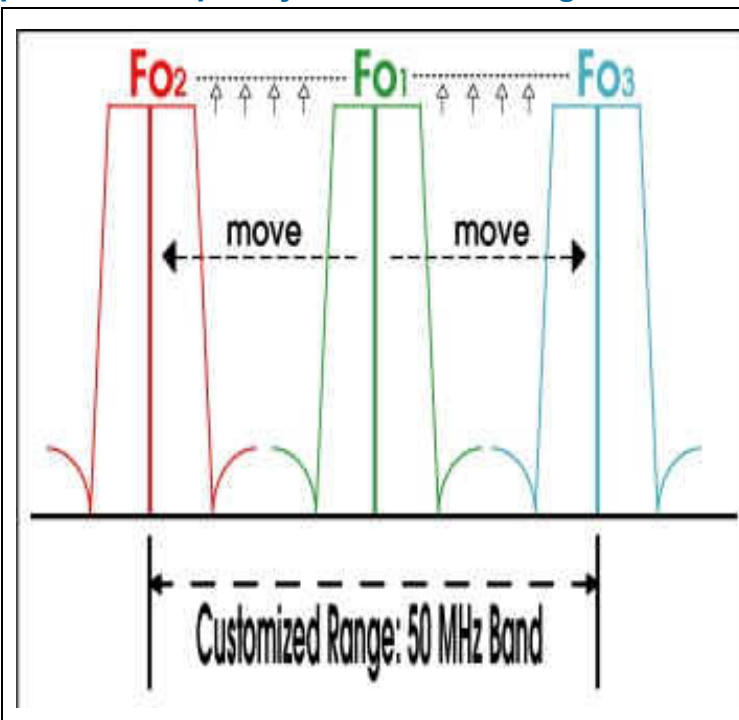
### Feature Description:

Temwell Helical Filter accept that users can proceed Center Frequency self tuning. The acceptance tuning range will be +/-1MHz ~ +/-10MHz. Users can make slightly adjustment by their own, which can save a lot time and cost in developing new project. As Curve, Fo1 can be tuned by users to Fo2 or Fo3 without any spec change, Curve Performance move with the same Specification.

### Note:

User Tuning range is depend on the practical spec sheet.

## Special 2: Frequency Customized Range



### Series:

Temwell all Helical Filter Products

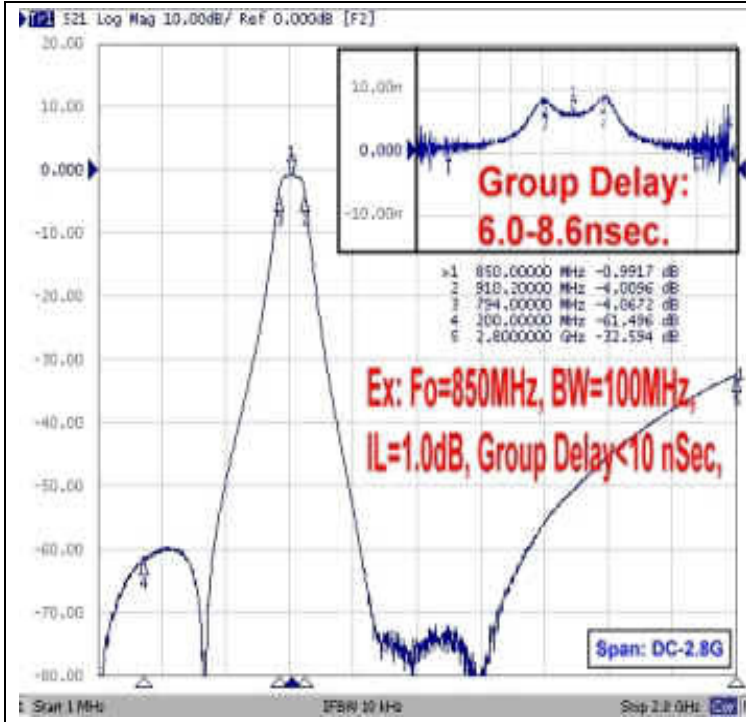
### Feature Description:

Temwell Frequency Customized Design provide Center Frequency indicating adjustment during 50MHz band range with the same specification as following, such as, BW, IL, Attenuation, Ripple, etc. Temwell can make adjustment and move the entire curve to any point of customer-required Fo. This is Temwell exclusive technology all over the world. Welcome request any Fo change.

### Note:

You can find the acceptable customized range in all Temwell Catalog. Please indicate the Center Frequency by the range.

### Special 3: Great Isolation (DC to 2.8G Span)



#### Series:

Temwell all Helical Filter Products

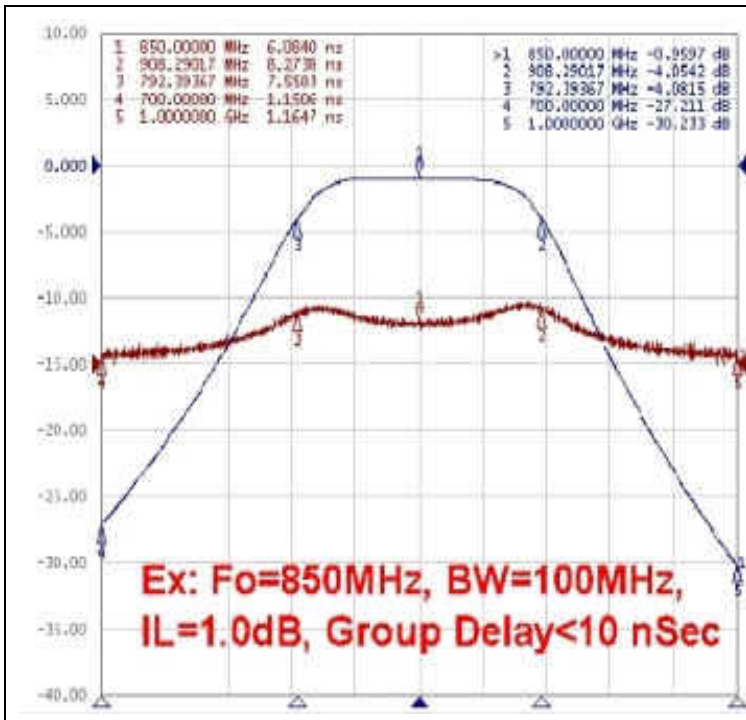
#### Feature Description:

Temwell Helical Filter can support the great isolation during DC-2.8G up Span. As curve show, there is no any 2nd/ 3rd Harmonics from DC to 2.8G, and also Temwell Helical Filter perform at least 30 dB Attenuation for any special requirement.

#### Note:

The reference specification is as following. Temwell 4pole series, Fo=850MHz, B.W.=100MHz, I.L.=1.0 dB, Group Delay<10nsec, Span=DC-2.8G, Attenuation = Min 30 dB

### Special 4: Great Group Delay (<10 nsec)



#### Series:

Temwell all Helical Filter Products

#### Feature Description:

Temwell Helical Filter has great performance in Group Delay. As curve show, there is only 6.0-8.6nsec in Group Delay, which is less than 10 nsec. It is very good performance than any other kind of RF filter in the world.

#### Note:

The reference specification is as following. Temwell 4pole series, Fo=850MHz, B.W.=100MHz, I.L.=1.0 dB, Group Delay<10nsec, Span=DC-2.8G,