



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

## 425 MHz Wireless, RF Saw Filter

**Part Number: AM425S460**

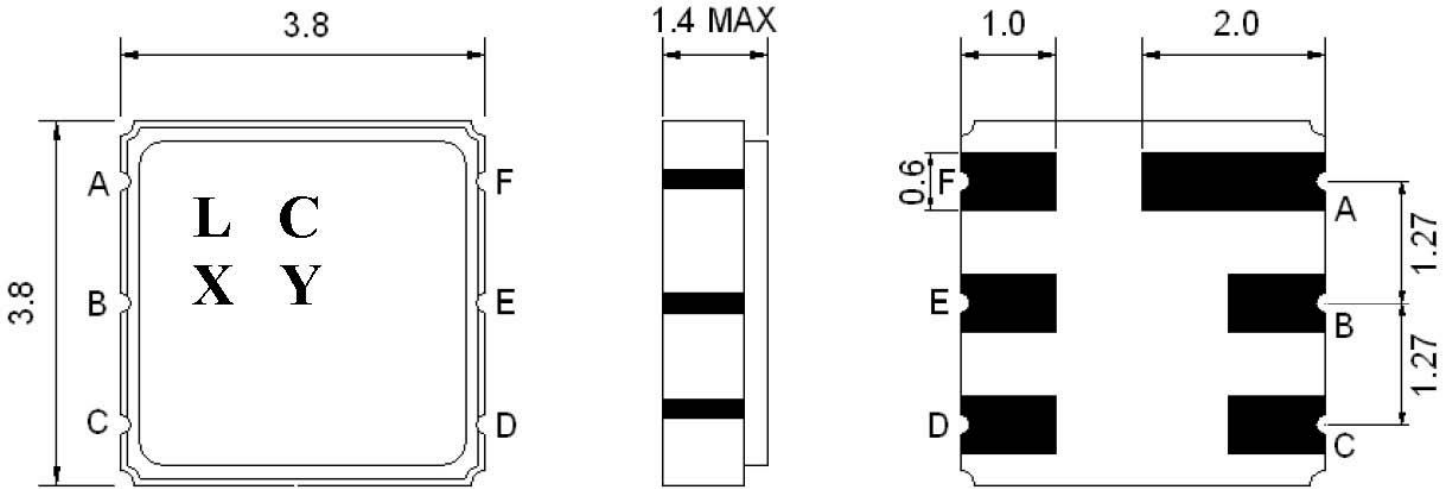


| Parameters Description                    | Unit              | Minimum | Typical | Maximum |
|---|-------------------|---------|---------|---------|
| Center Frequency (Fo)                     | MHz               | -       | 425.0   | -       |
| Insertion Loss within 420.0 ~ 430.0 MHz   | dB                | -       | 2.5     | 3.5     |
| Amplitude Ripple within 420.0 ~ 430.0 MHz | dB <sub>p-p</sub> | -       | 0.6     | 1.5     |
| VSWR within 420.0 ~ 430.0 MHz             | -                 | -       | 1.8     | 2.5     |
| <b>Attenuation:</b>                       |                   |         |         |         |
| Fo-47.8 ~ Fo-37.8 MHz                     | dB                | 55      | 59      | -       |
| Fo+37.8 ~ Fo+47.8 MHz                     | dB                | 40      | 43      | -       |

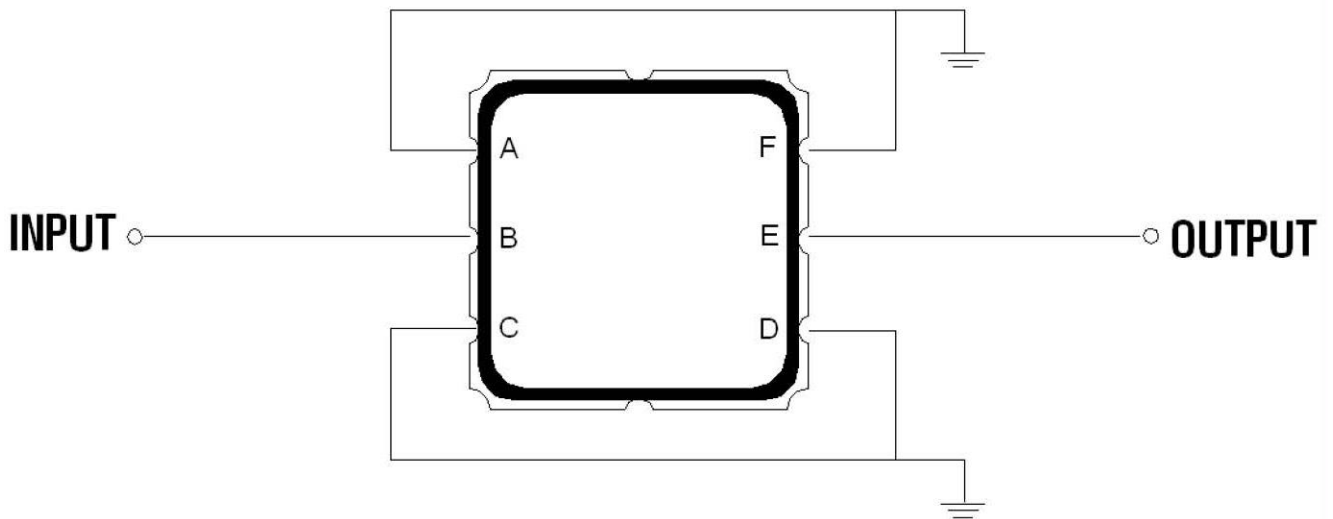
| Parameters Description                       | Unit               | Minimum | Typical | Maximum |
|--|--------------------|---------|---------|---------|
| Operation Temperature Range                  | °C                 | -10     | -       | +50     |
| Storage Temperature Range                    | °C                 | -40     | -       | +85     |
| Maximum DC Voltage                           | V                  | -       | -       | 10      |
| Maximum Input Power                          | dBm                | -       | -       | 0       |
| Source Impedance (Single Ended) <sub>1</sub> | Ω                  | -       | 50      | -       |
| Load Impedance (Single Ended) <sub>1</sub>   | Ω                  | -       | 50      | -       |
| Package Size and Type                        | 3.8 x 3.8 x 1.4 mm |         | P       |         |



### Outline Drawing:



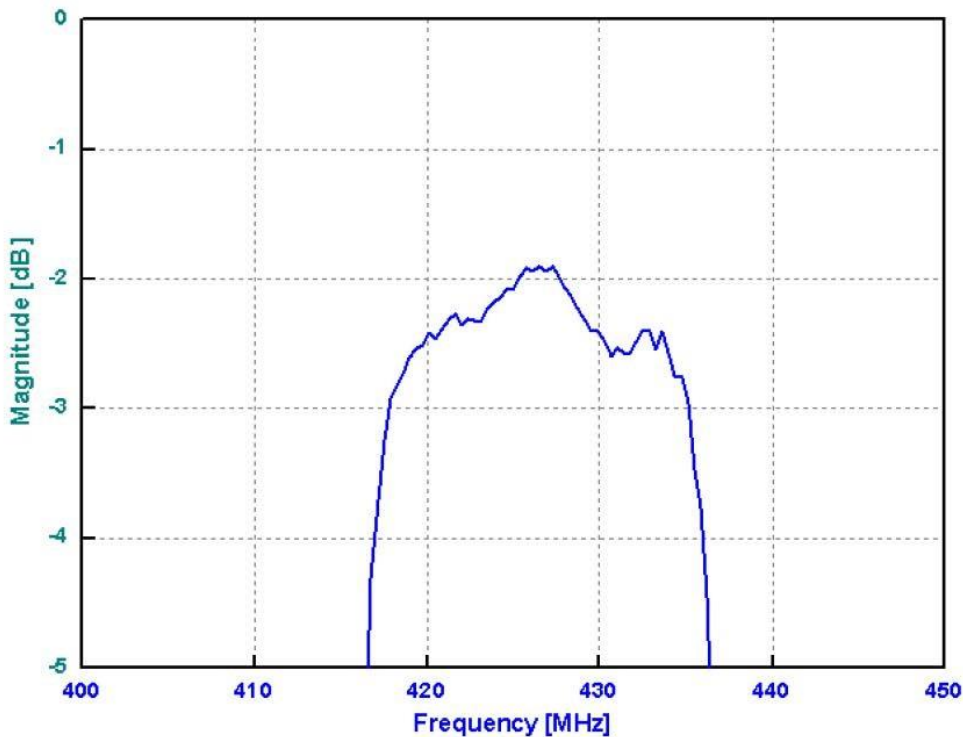
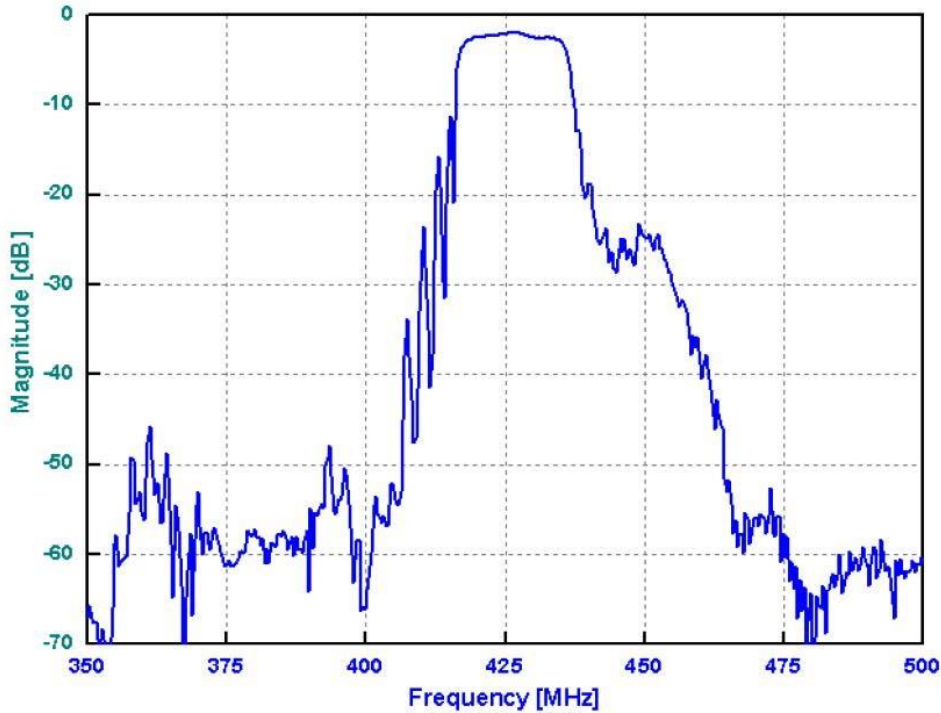
### Testing Environment:



Source/Load Impedance = 50  $\Omega$

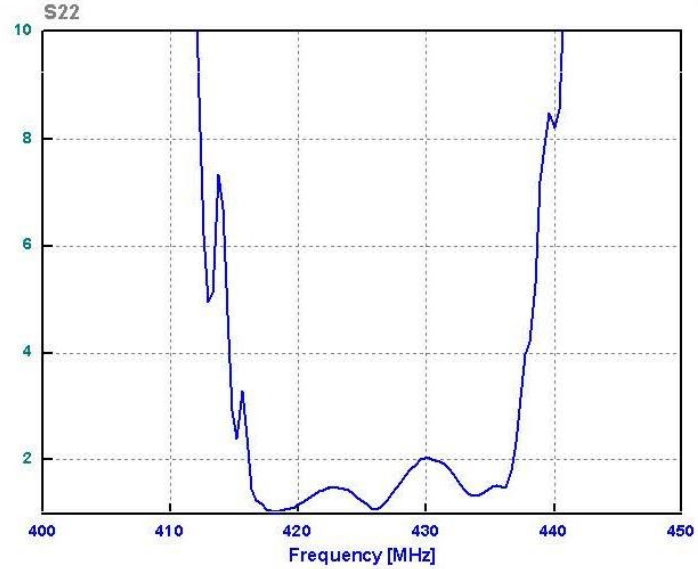
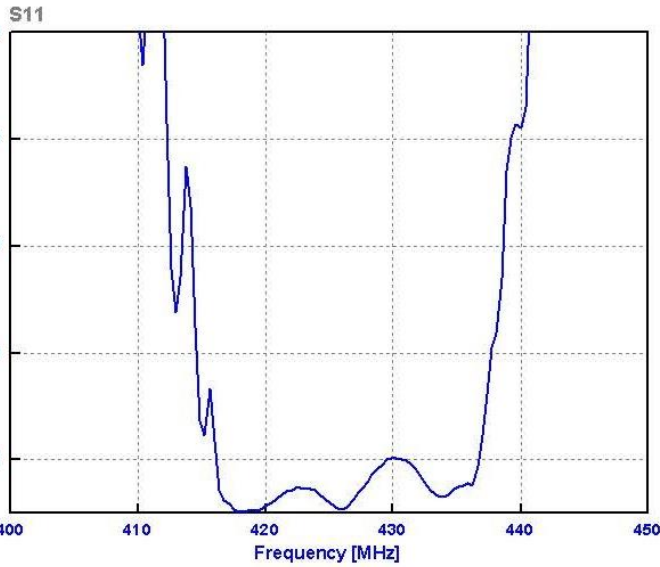


### Response Plot:





### VSWR



### Smith Chart

