



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1227 MHz GPS RF Saw Filter

Part Number: AE1227SB1141

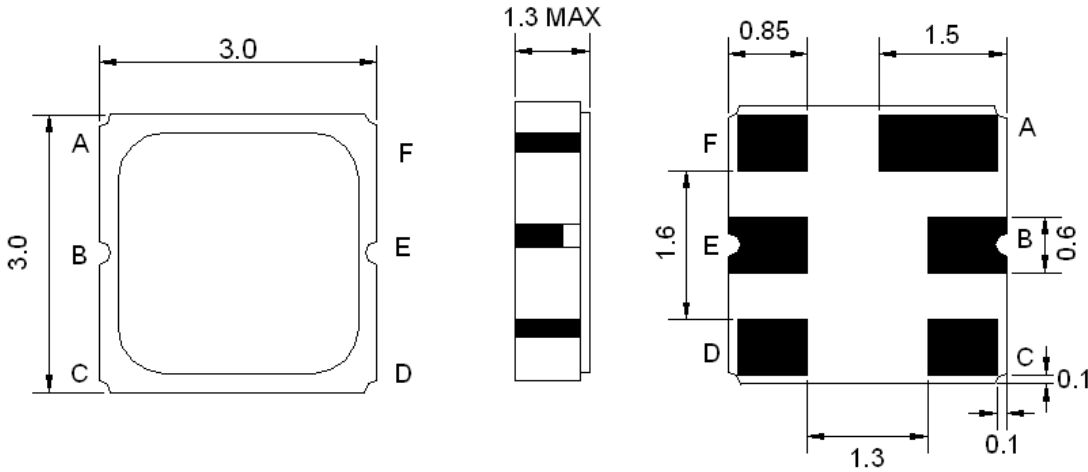


| Parameters Description | Unit | Minimum | Typical | Maximum |
|---|-------------------|---------|---------|---------|
| Center Frequency (Fo) | MHz | - | 1227.0 | - |
| Insertion Loss @ 1217~1237 MHz | dB | - | 1.0 | 2.0 |
| Amplitude Ripple within 1217 ~ 1237 MHz | dB _{p-p} | - | 0.4 | 1.0 |
| VSWR within 1217 ~ 1237 MHz | - | - | 1.6 | 2.0 |
| Attenuation: | | | | |
| DC ~ 600 MHz | dB | 17 | 20 | - |
| 600 ~ 1170 MHz | dB | 15 | 18 | - |
| 1277 ~ 1290 MHz | dB | 20 | 30 | - |
| 1290 ~ 3000 MHz | dB | 15 | 20 | - |

| Parameters Description | Unit | Minimum | Typical | Maximum |
|--|--------------------|---------|---------|---------|
| Operation Temperature Range | °C | -30 | - | +75 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 10 |
| Maximum Input Power | dBm | - | - | 10 |
| Source Impedance (Single Ended) ₁ | Ω | - | 50 | - |
| Load Impedance (Single Ended) ₁ | Ω | - | 50 | - |
| Package Size and Type | 3.0 x 3.0 x 1.3 mm | | | |



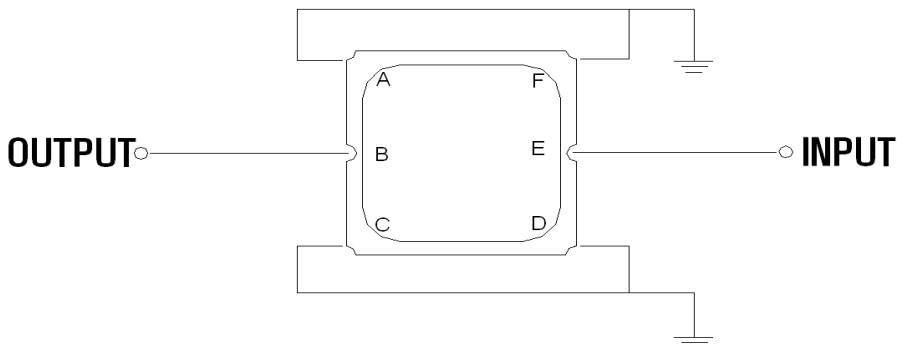
Outline Drawing:



Pin Description:

Ground – A C D F
 Input or output – B
 Input or Output – E

Testing Environment:



Source/Load Impedance: 50 Ω

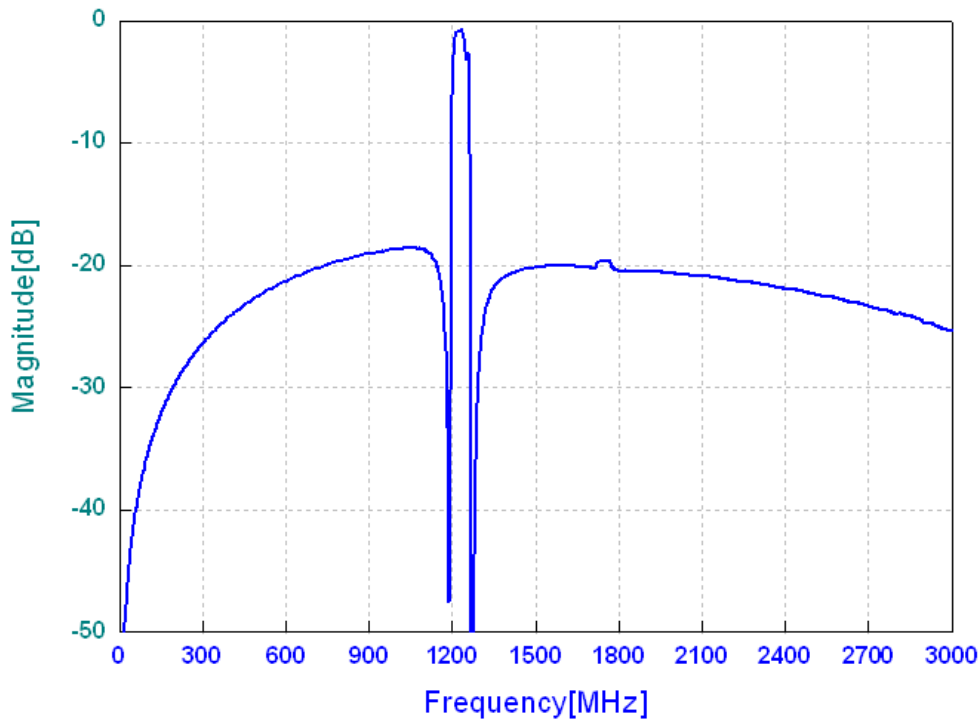
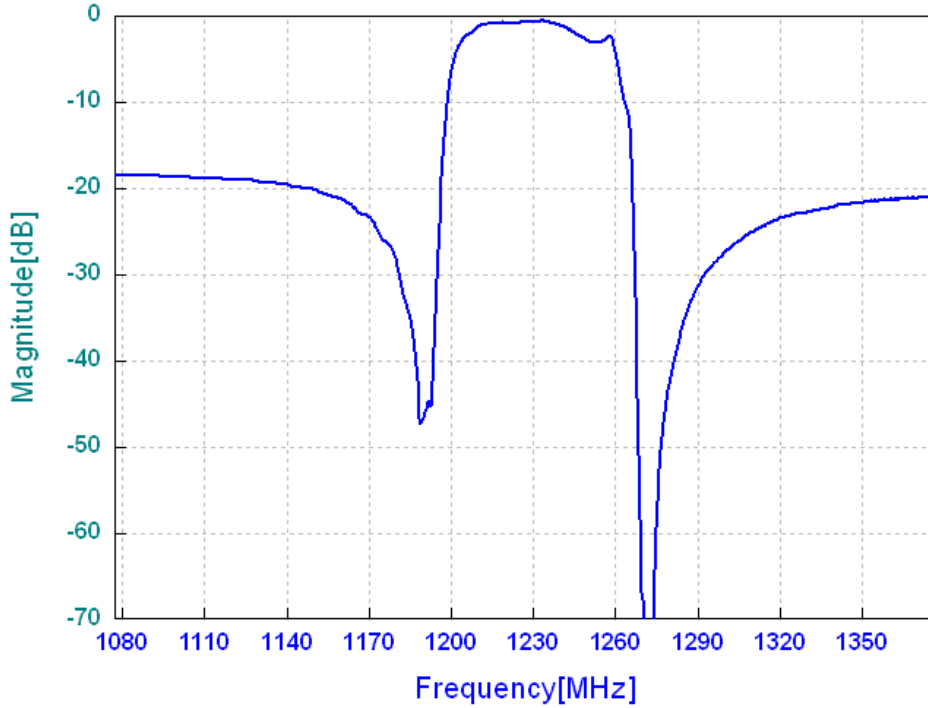


1227 MHz GPS RF Saw Filter

Part Number: AM1227S359

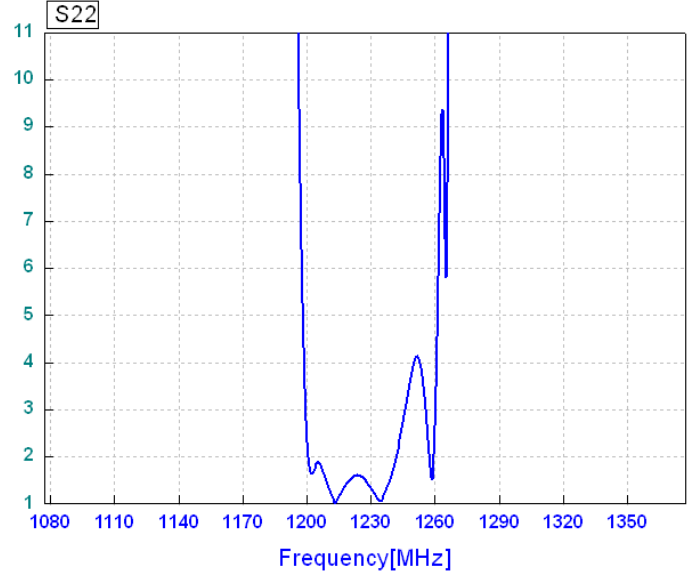
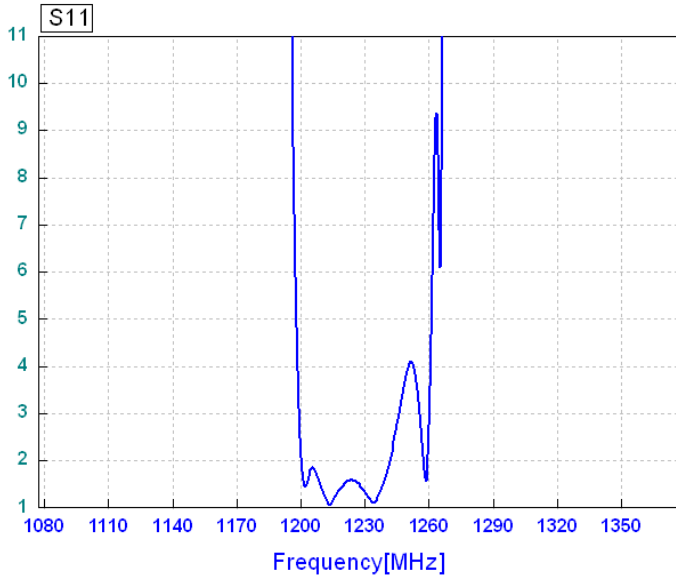


Response Plot:





VSWR:



Smith Chart:

