



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1227 MHz GPS RF Saw Filter

Part Number: AM1227S359

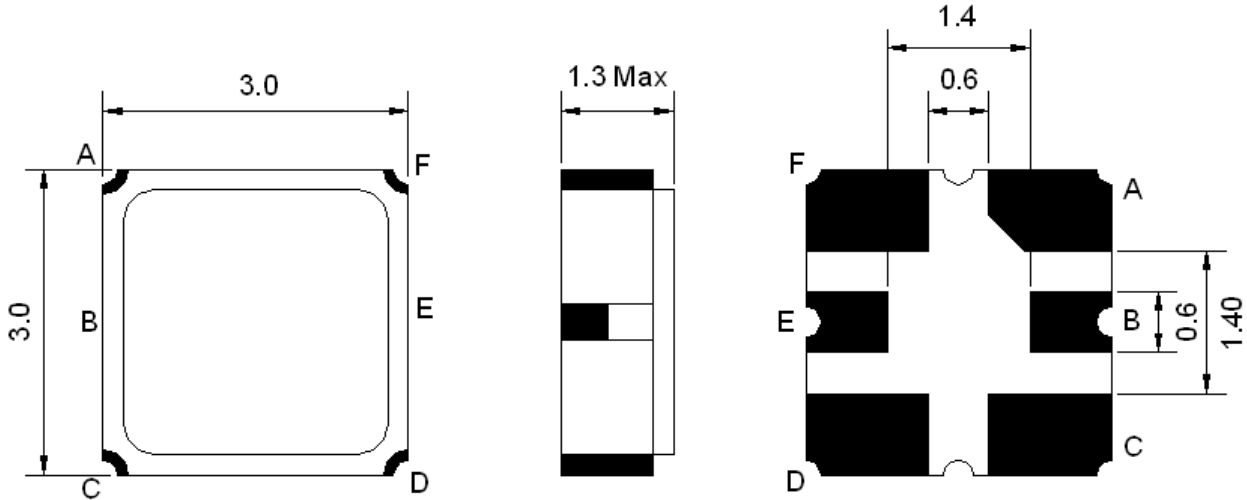


Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1227.0	-
Insertion Loss at Fo	dB	-	0.9	1.2
Amplitude Ripple within 1217 ~ 1237 MHz	dB _{p-p}	-	1.0	2.0
VSWR within 1217 ~ 1237 MHz	-	-	1.9	2.0
Attenuation:				
DC ~ 600 MHz	dB	8	14	-
600 ~ 1170 MHz	dB	9	12	-
1277 ~ 1290 MHz	dB	18	25	-
1290 ~ 3000 MHz	dB	10	12	-

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		L1	



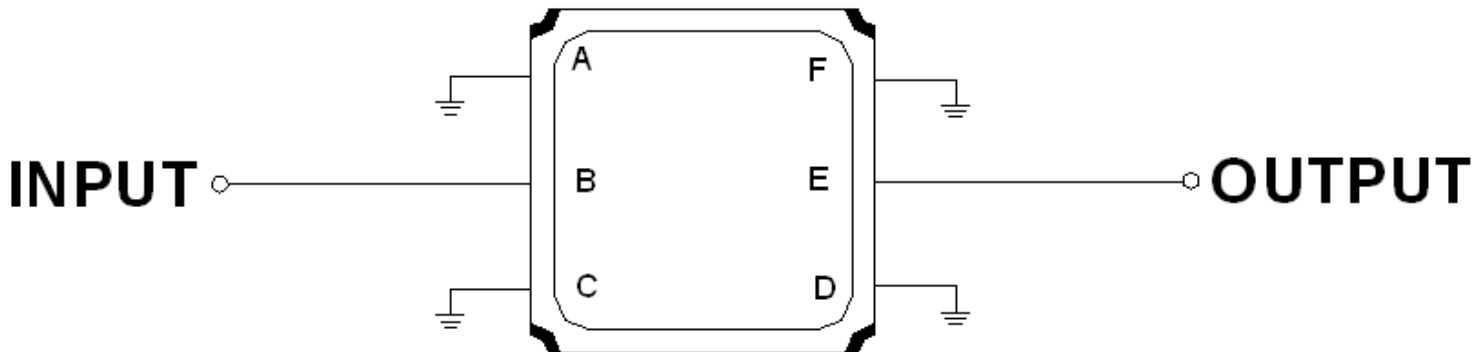
Outline Drawing:



Pin Description:

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

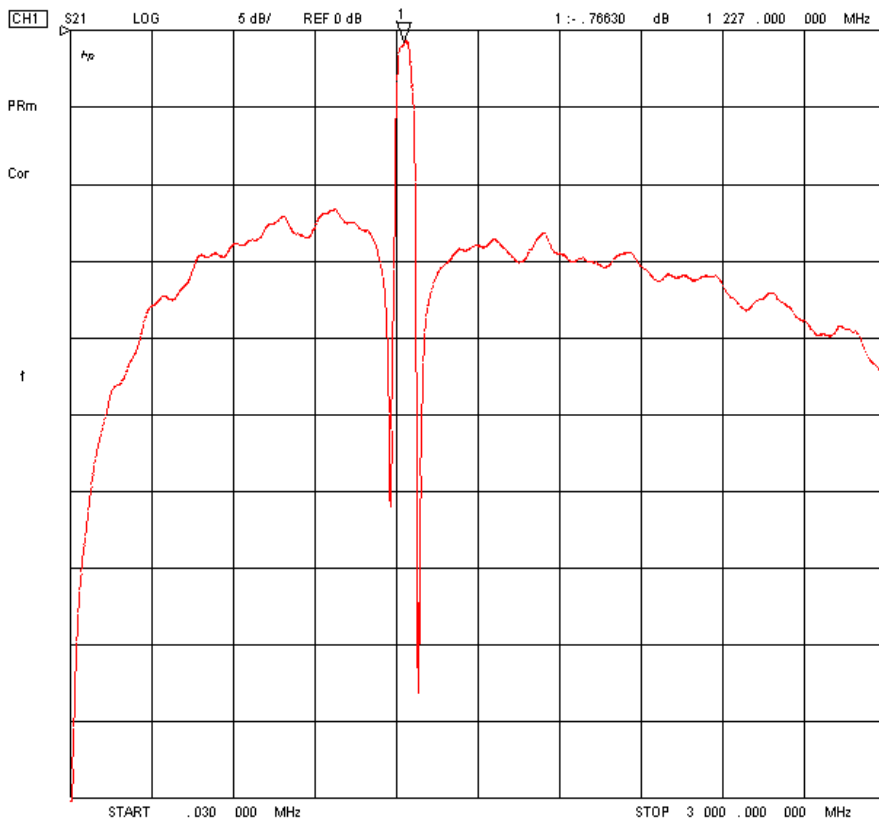
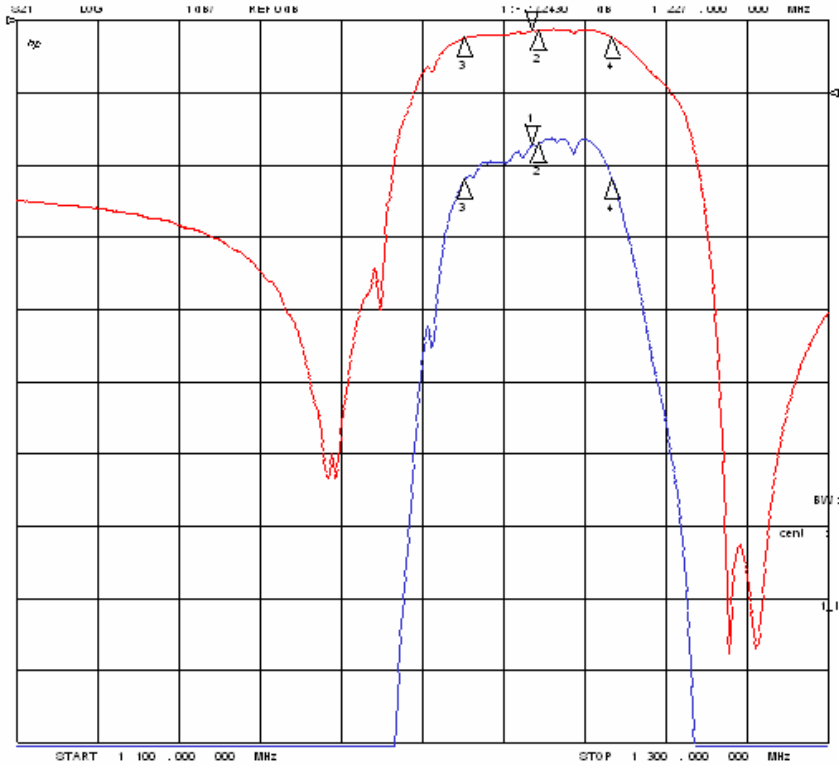
Testing Environment:



Source/Load Impedance: 50 Ω



Response Plot:



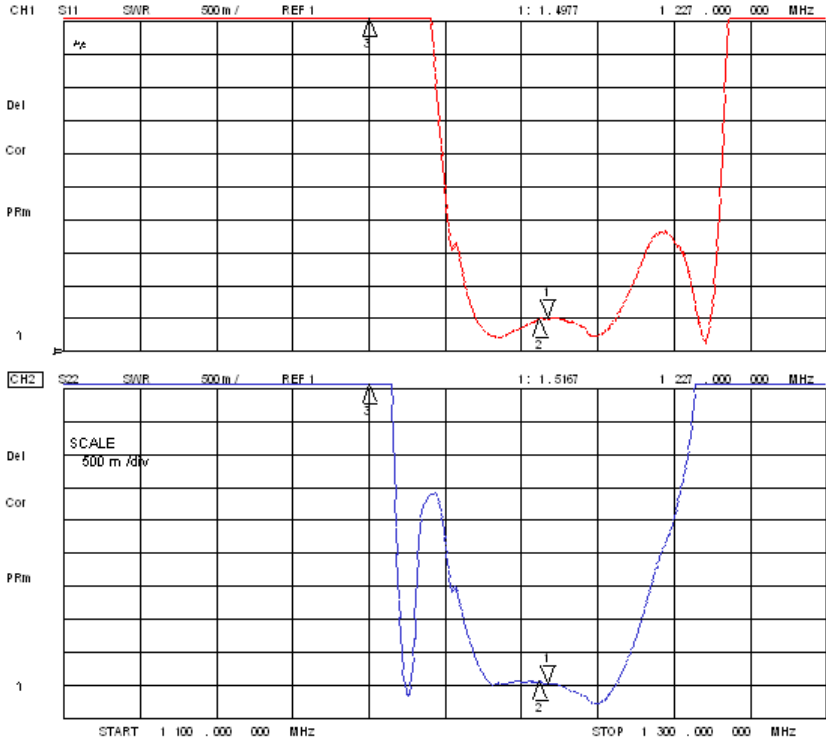


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VSWR:



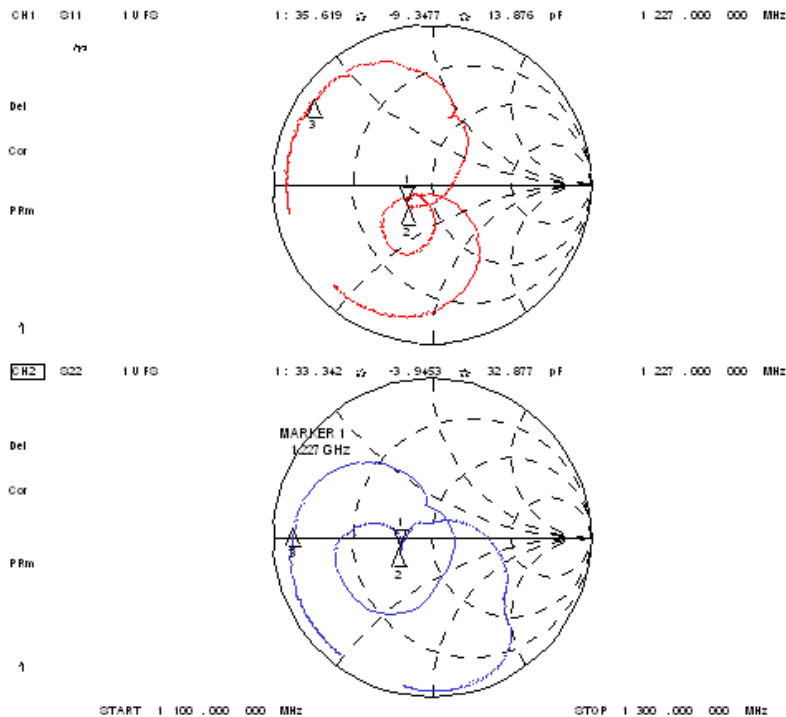
CH1 Markers

- 2: 1.5070
- 1: 2.2807 GHz
- 3: 22.805
- 1: 1.8025 GHz

CH2 Markers

- 2: 1.5568
- 1: 2.2807 GHz
- 3: 14.534
- 1: 1.8025 GHz

Smith Chart:



CH1 Markers

- 2: 35.936 Ω
- 10.410 Ω
- 1: 2.2807 GHz
- 3: 2.4150 Ω
- 15.168 Ω
- 1: 1.8025 GHz

CH2 Markers

- 2: 32.600 Ω
- 4.6211 Ω
- 1: 2.2807 GHz
- 3: 3.4454 Ω
- 1.7418 Ω
- 1: 1.8025 GHz