



# 91 MHz IF Saw Filter 2 MHz Bandwidth

## Part Number: AM915S576

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



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	91.25	-
Insertion Loss at Fo	dB	-	20.3	22.5
Passband Ripple within Fo ± 0.75 MHz	dB	-	0.17	1.00
Group Delay Variation within Fo ± 0.75 MHz	nsec	-	52	100
Absolute Delay at Fo	usec	-	1.80	-
Bandwidth at -1.0 dB	MHz	1.5	2.08	-
Bandwidth at -30.0 dB	MHz	-	3.42	-
Bandwidth at -40.0 dB	MHz	-	3.60	5.50
Ultimate Rejection	dB	-	45	-
<b>Relative Attenuation:</b>				
Fo ± 1.75 MHz	dB	-	32	-
Fo ± 2.75 MHz	dB	-	55	-
Temperature Coefficient	ppm/°C	-	-0.03	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	0	-	+60
Storage Temperature Range	°C	-20	-	+70
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-
Load Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-
Package Size and Type	13.3 x 6.5 x 1.8 mm		V	



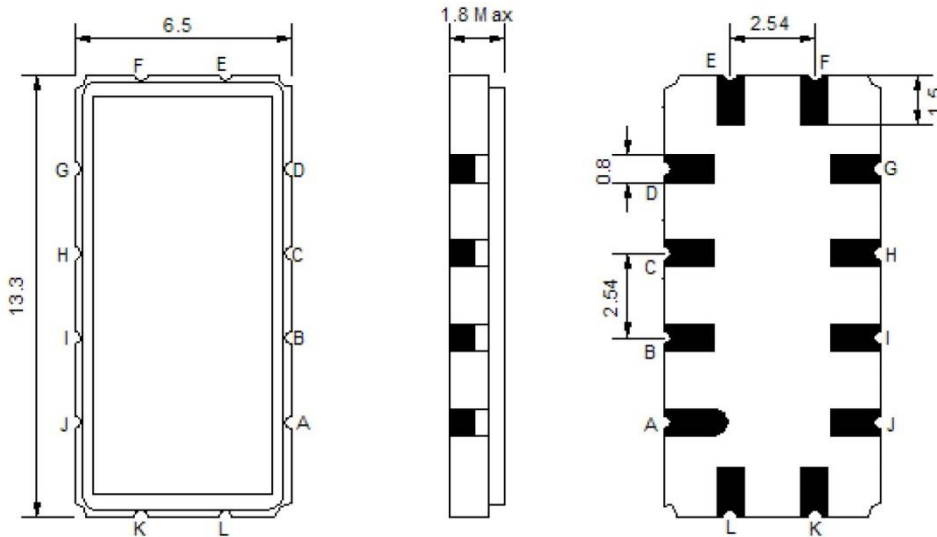
# 91 MHz IF Saw Filter 2 MHz Bandwidth

## Part Number: AM915S576



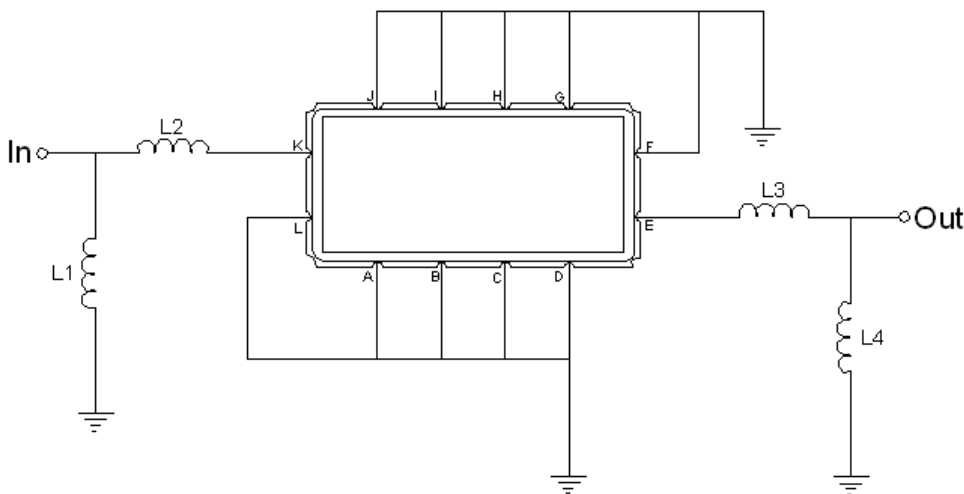
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

### Outline Drawing:



Pin Description	
Ground	A B C D F G H I J L
Input	K
Output	E

### Testing Environment:



Pin Description		
Ground	L1 = 82 nH	L2 = 150 nH
Input	L3 = 120 nH	L4 = 68 nH
Source/Load Impedance	50 Ω	



# 91 MHz IF Saw Filter 2 MHz Bandwidth

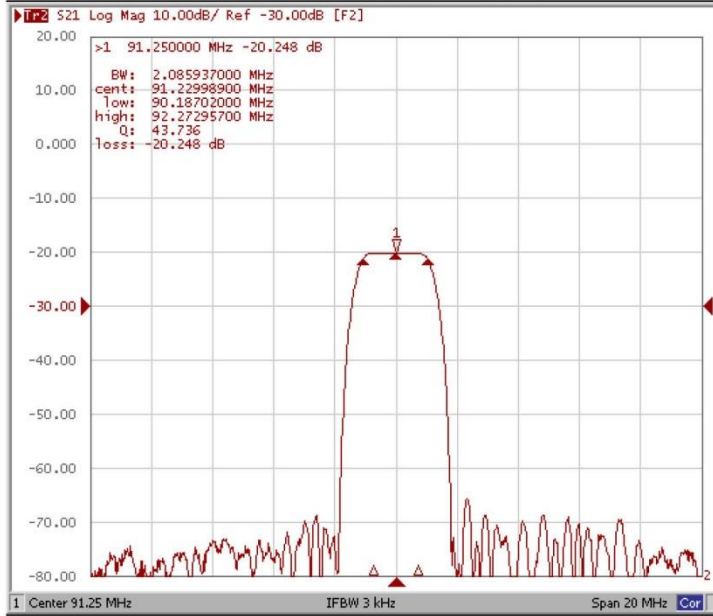
## Part Number: AM915S576



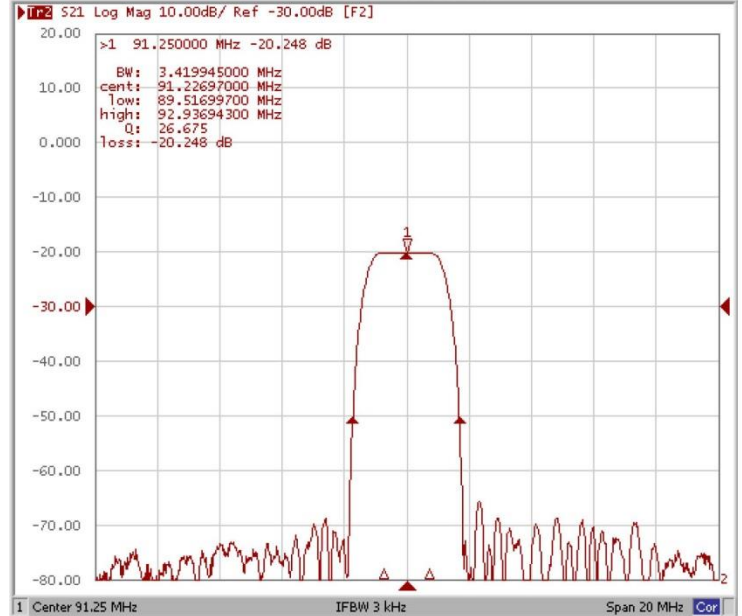
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

### Frequency Response:

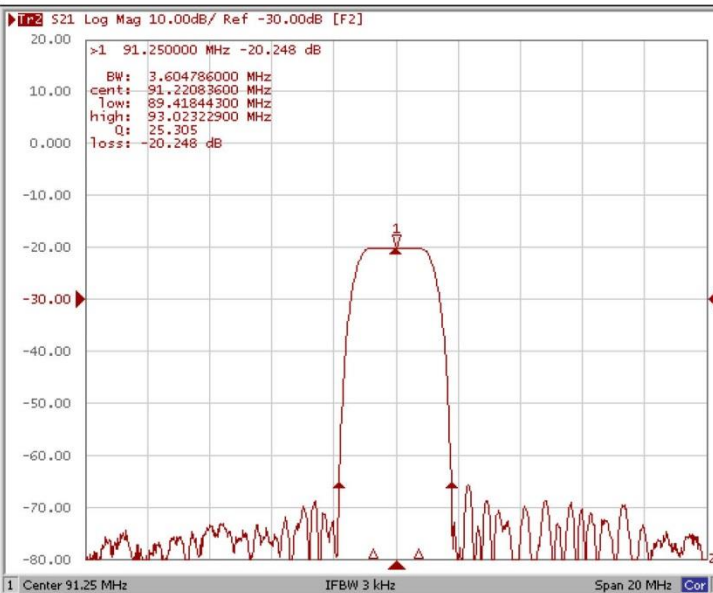
#### Bandwidth at -1.0 dB



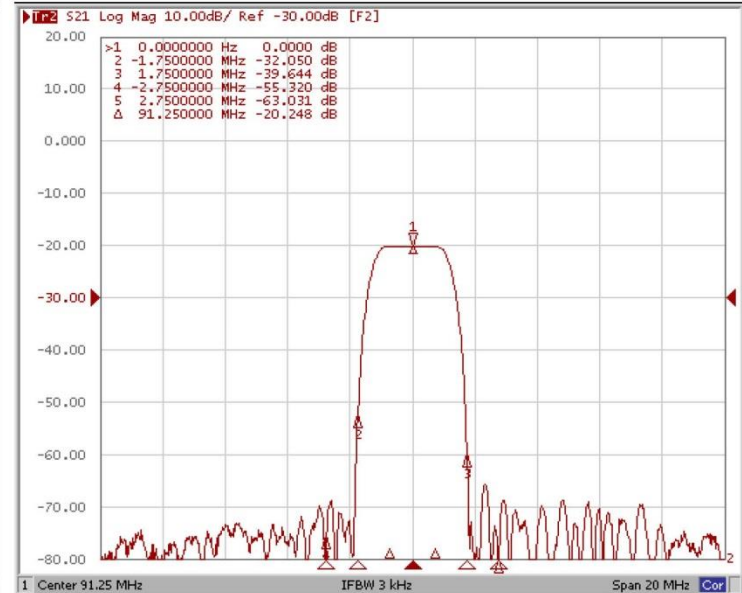
#### Bandwidth at -30.0 dB



#### Bandwidth at -45.0 dB



#### Relative Attenuation Fo±1.75MHz/ Fo±2.75MHz



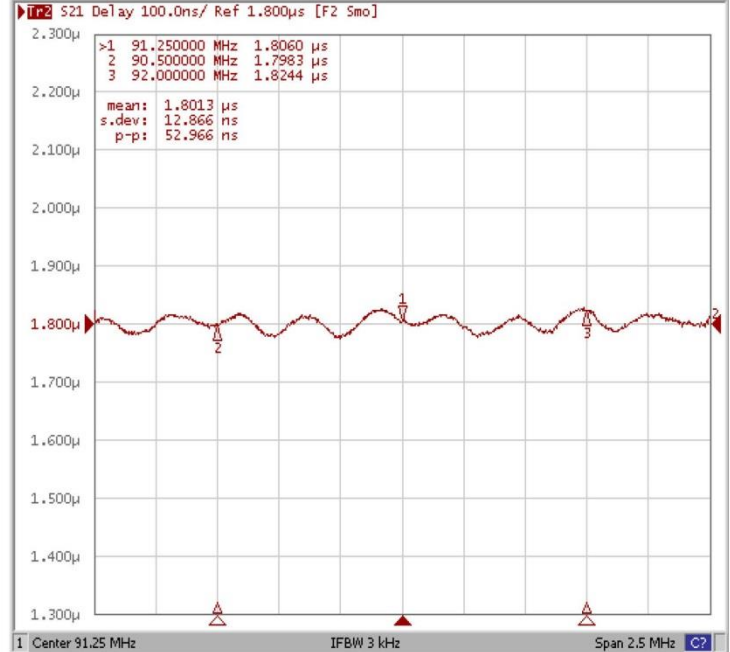


### Frequency Response:

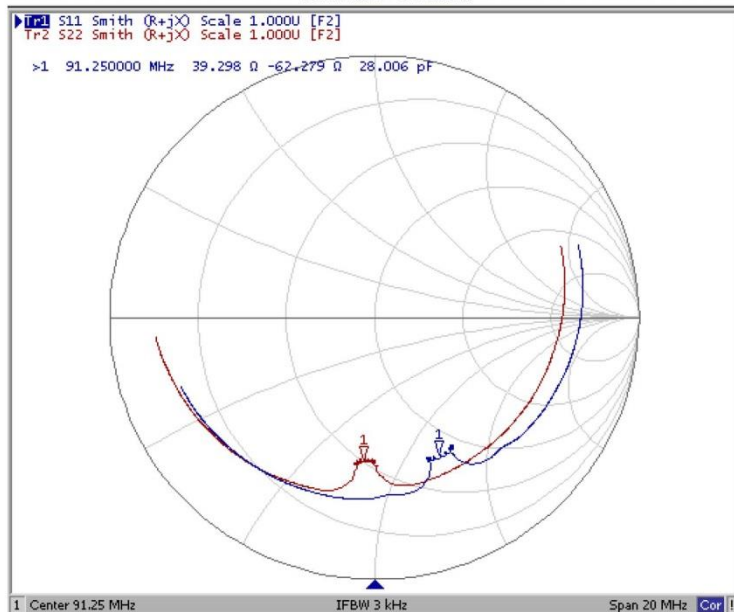
#### Ripple Variation Fo±0.75



#### Group Delay Variation Fo±0.75



#### Smith Chart



#### VSWR

