



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

## 62.5 MHz IF Saw Filter

### Part Number: AM62S793

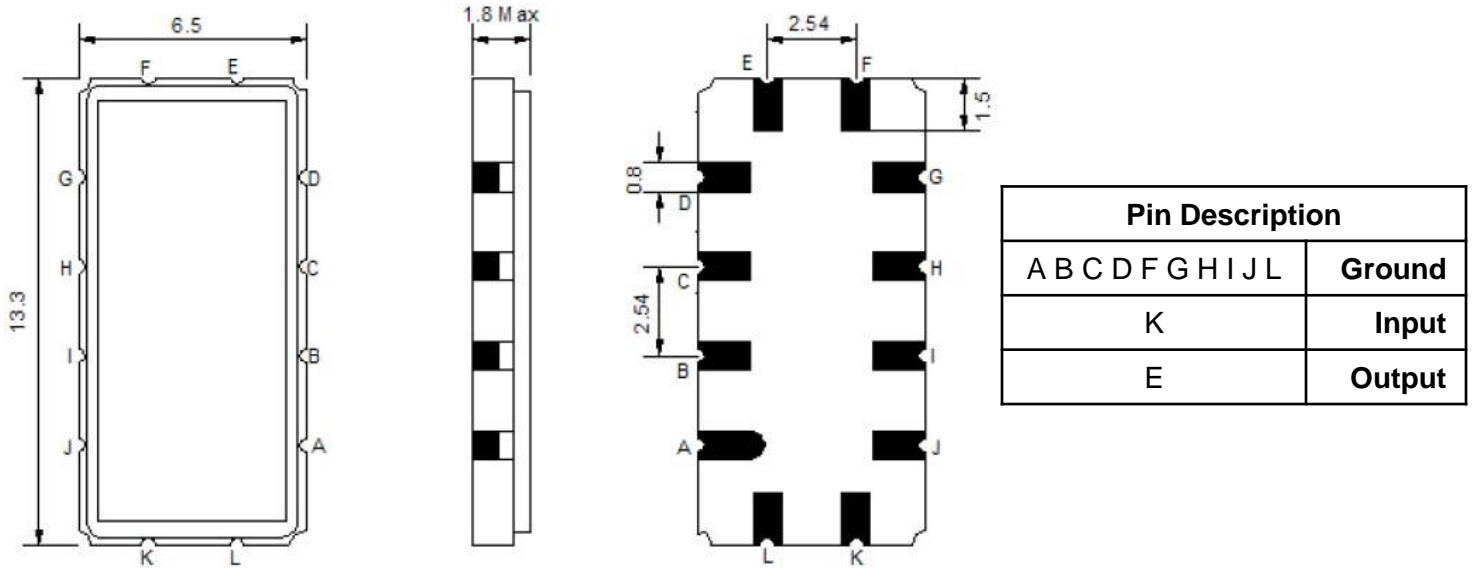


Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	62.4	62.5	62.6
Insertion Loss at Fo	dB	-	14.7	16.0
Temperature Coefficient	ppm/°C	-	-86	-
Amplitude Ripple within Fo ± 9.22 MHz	dBp-p	-	0.45	0.80
Group Delay Variation within Fo ± 9.22 MHz	nsec	-	45	60
Absolute Delay at Fo	µsec	-	1.11	-
Bandwidth at -1.0 dB	MHz	-	19.18	-
Bandwidth at -15.0 dB	MHz	-	21.40	-
Bandwidth at -40.0 dB	MHz	-	23.10	24.0
<b>Relative Attenuation:</b>				
Lower Sidelobe	dB	45	48	-
Upper Sidelobe	dB	45	48	-

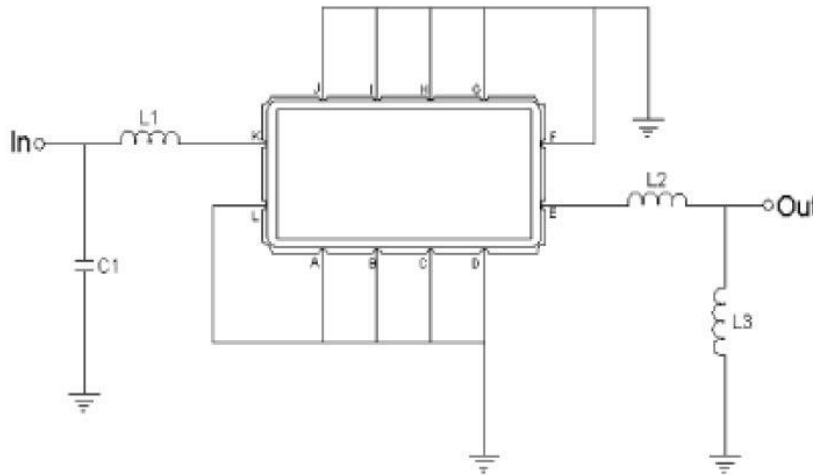
Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-20	-	+70
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-
Load Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-
Package Size and Type	13.3 x 6.5 x 1.8 mm		V	



**Outline Drawing:**



**Testing Environment:**



Test Fixture & Values		
Input	L1=150nH ,	C1=36pF
Output	L2=27nH ,	L3=100pF
Source/Load Impedance	50 Ω	



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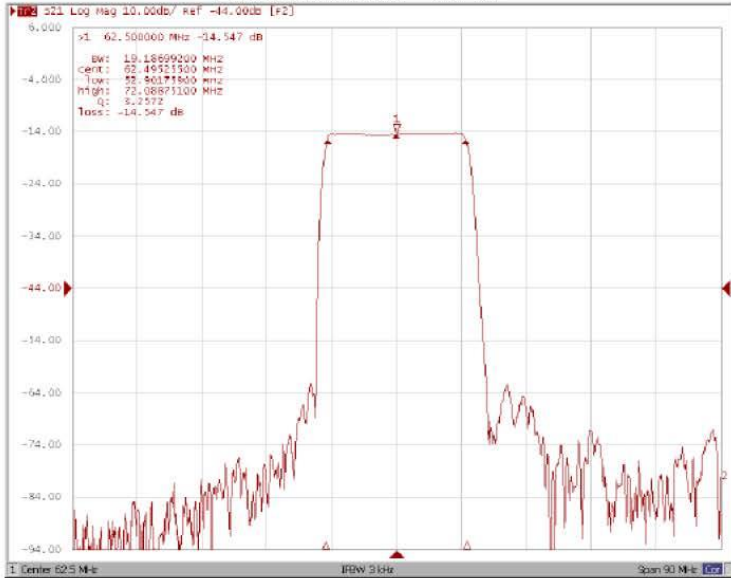
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## Frequency Response:

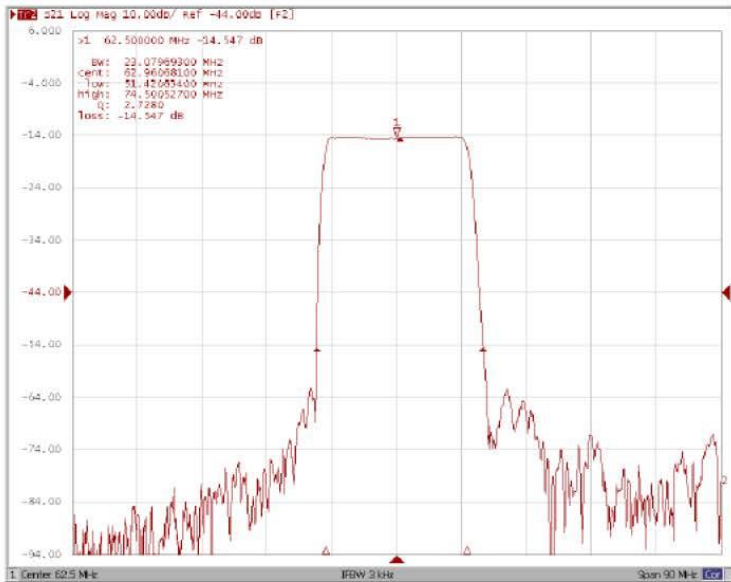
**Bandwidth at -1.0 dB**



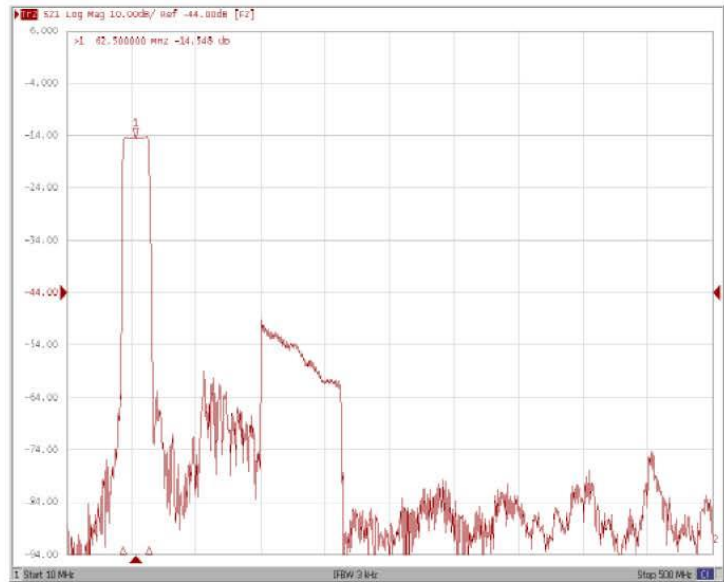
**Bandwidth at -15.0 dB**



**Bandwidth at -40.0 dB**



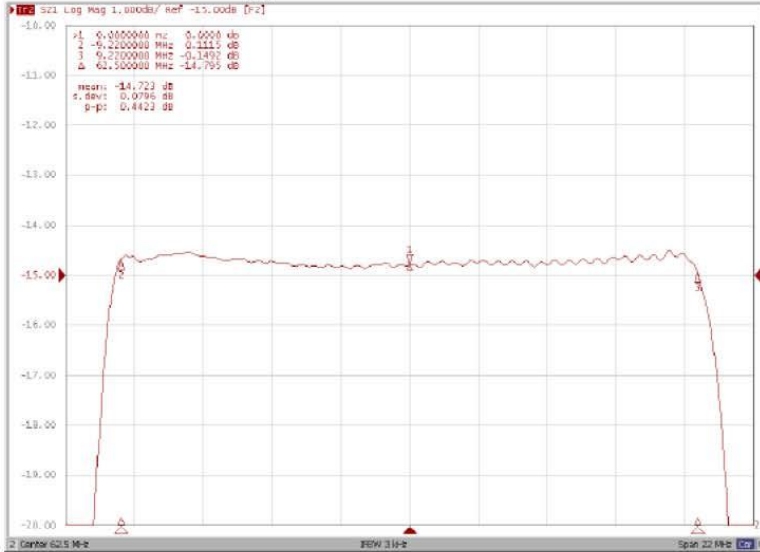
**Wide-Band**



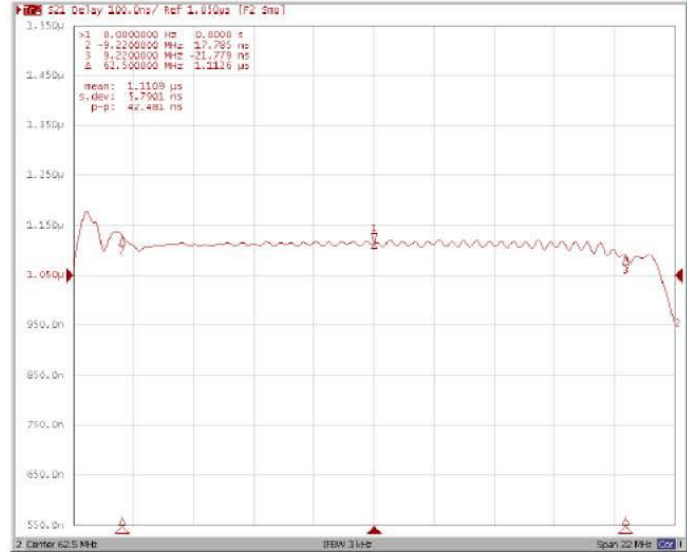


**Frequency Response:**

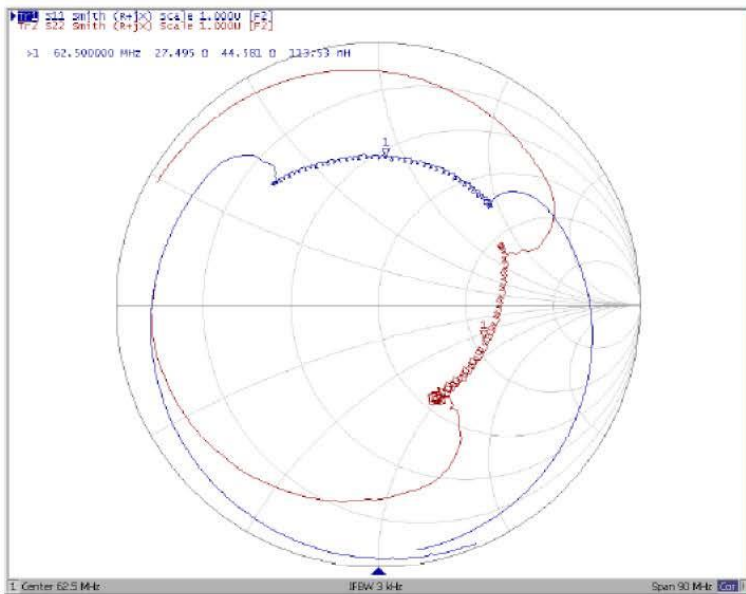
**Ripple Variation Fo±9.22MHz**



**Group Delay Variation Fo±9.22MHz**



**Smith Chart**



**SWR**

