



# 184 MHz IF Saw Filter 10 MHz Bandwidth

## Part Number: AM184S628

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



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	184.00	-
Insertion Loss at Fo	dB	-	27.0	28.5
Group Delay Variation within Fo ± 5.25 MHz	nsec	-	35	80
Passband Ripple within Fo ± 5.25 MHz	dB	-	0.55	1.0
Absolute Delay at Fo	µsec	-	2.59	-
Bandwidth at -1.0 dB	MHz	10.00	10.82	-
Bandwidth at -3.0 dB	MHz	-	11.20	-
Bandwidth at -40.0 dB	MHz	-	12.65	12.90
Ultimate Rejection	dB	45	50	-
Relative Attenuation within Fo ± 6.5 MHz	dB	45	55	-
Temperature Coefficient	ppm/°C	-	-18	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	0	-	+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	20.0 x 9.8 x 1.8 mm		D1	



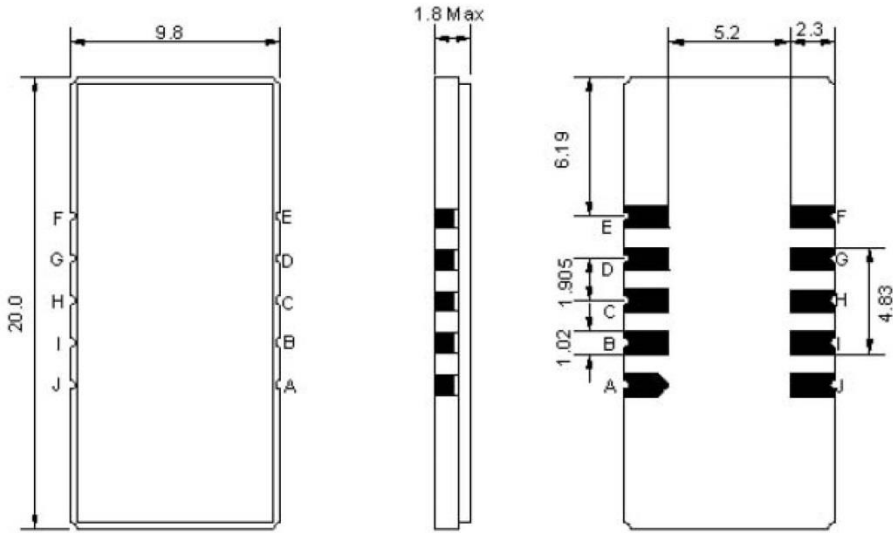
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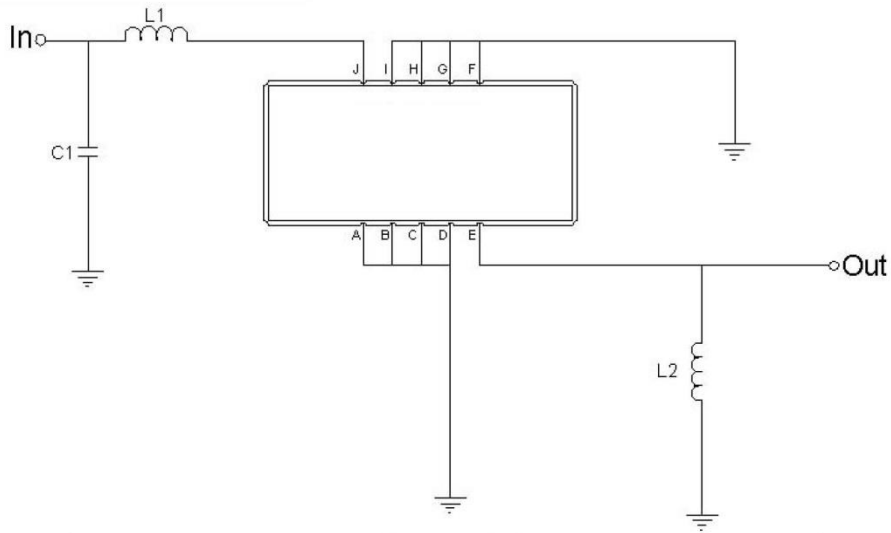
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## Outline Drawing:



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

## Testing Environment:



Test Fixture & Values	
Input	L1 = 27 nH , C1 = 24 pF
Output	L2 = 22nH
Source/Load Impedance	50 Ω



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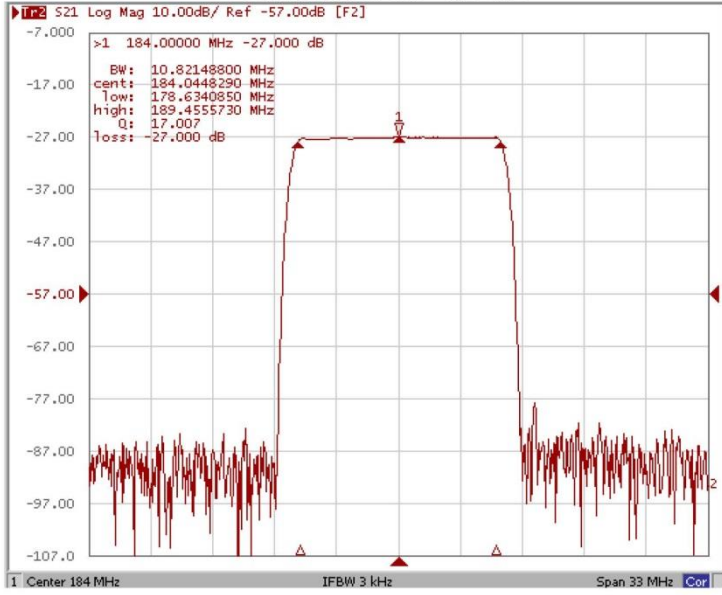
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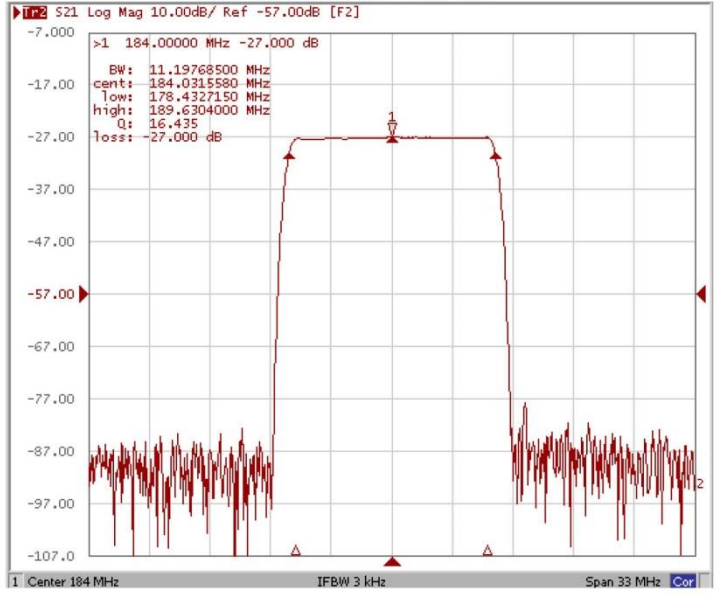
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### Frequency Response:

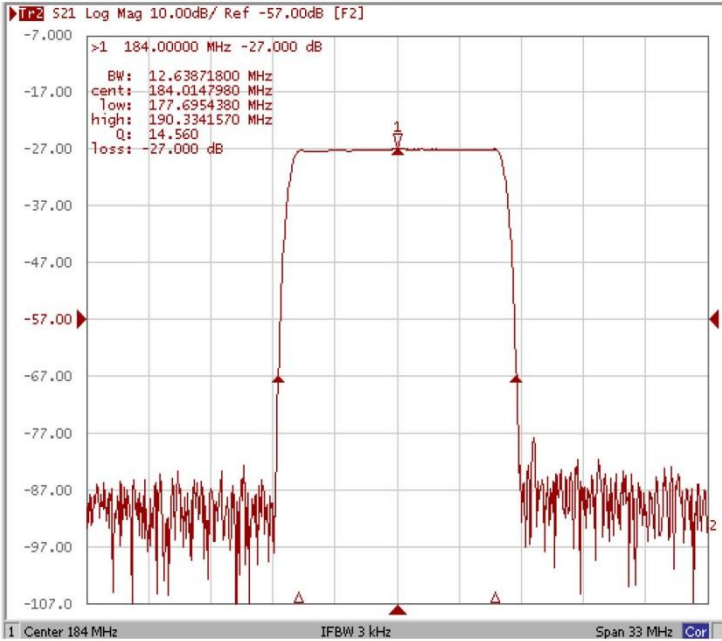
#### Bandwidth at -1.0 dB



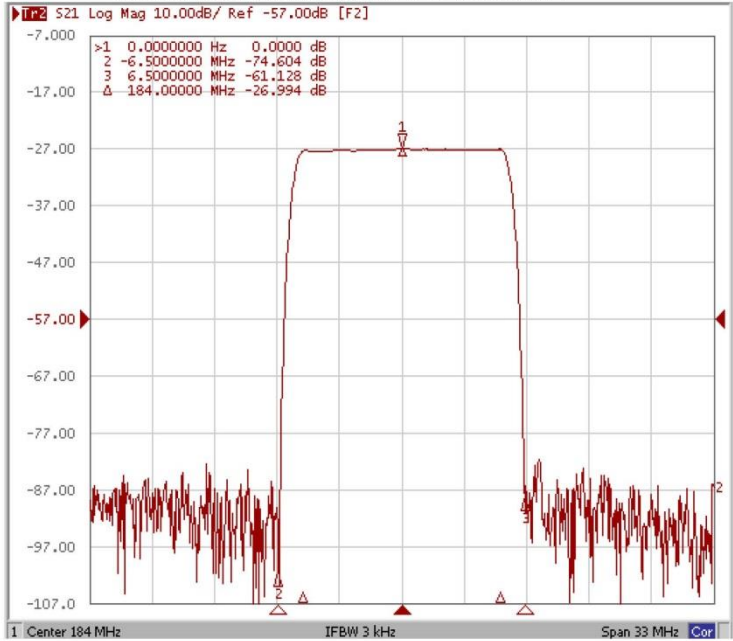
#### Bandwidth at -3.0 dB



#### Bandwidth at -40.0 dB



#### Relative Attenuation Fo±6.5MHz





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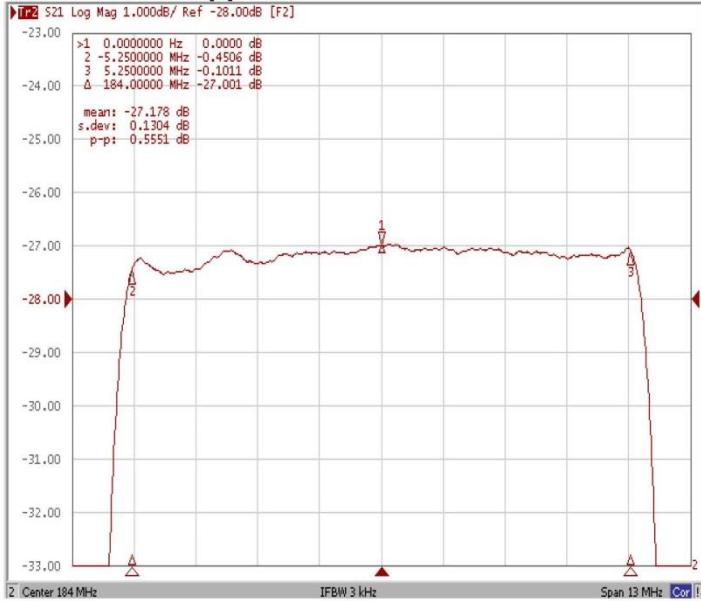
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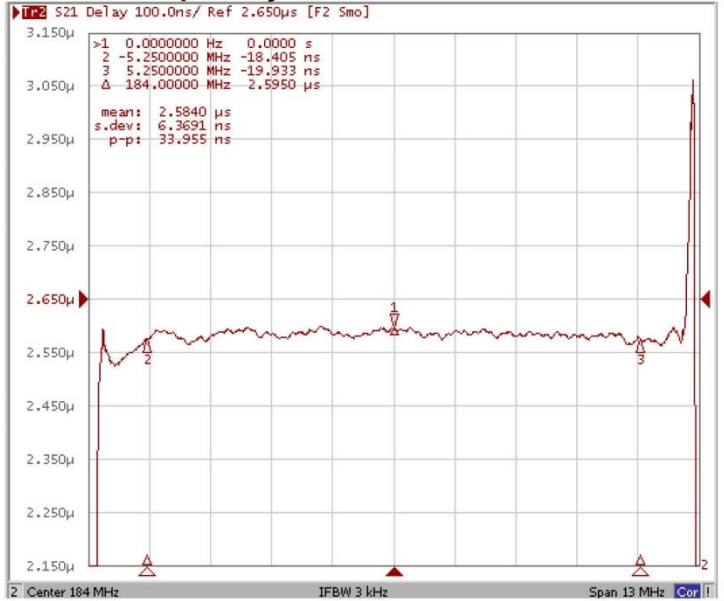
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### Frequency Response:

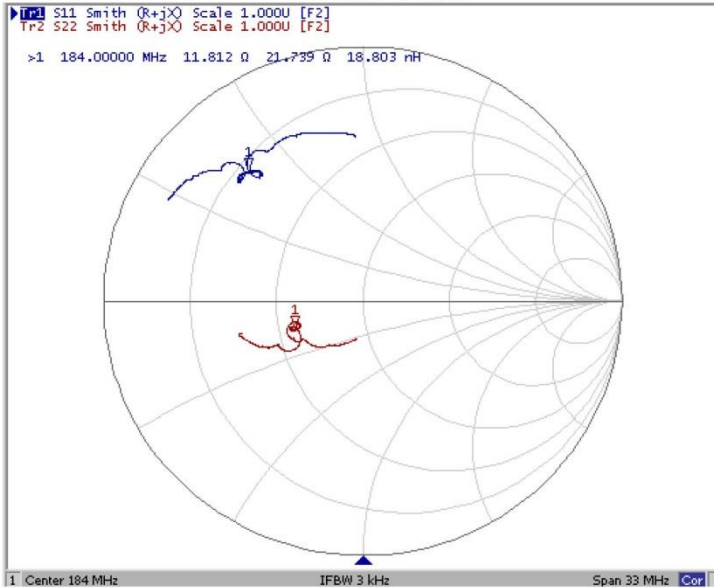
#### Ripple Variation Fo±5.25MHz



#### Group Delay Variation Fo±5.25MHz



#### Smith Chart



#### SWR

