



75 MHz IF Saw Filter 26 MHz Bandwidth

Part Number: AM75S561

ANATECH ELECTRONICS INC
RF & Microwave Filters & Products



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	75.0	-
Insertion Loss at Fo	dB	-	26.50	28.00
Passband Ripple (Fo ± 12.5 MHz)	dB	-	0.55	0.95
Group Delay Variation (Fo ± 12.5 MHz)	nsec	-	25	60
Absolute Delay at Fo	µsec	-	1.83	-
Temperature Coefficient	ppm/°C	-	-72	-
Bandwidth at -1.0 dB	MHz	-	26.66	-
Bandwidth at -30.0 dB	MHz	-	28.70	-
Bandwidth at -50.0 dB	MHz	-	29.20	-
Relative Attenuation at Fo ± 16 MHz	dB	-	53	-
Ultimate Rejection	dB	-	53	-

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) ₁	Ω	-	50	-
Load Impedance (Single Ended) ₁	Ω	-	50	-
Package Size and Type	20.0 x 9.8 x 1.8 mm		D1	



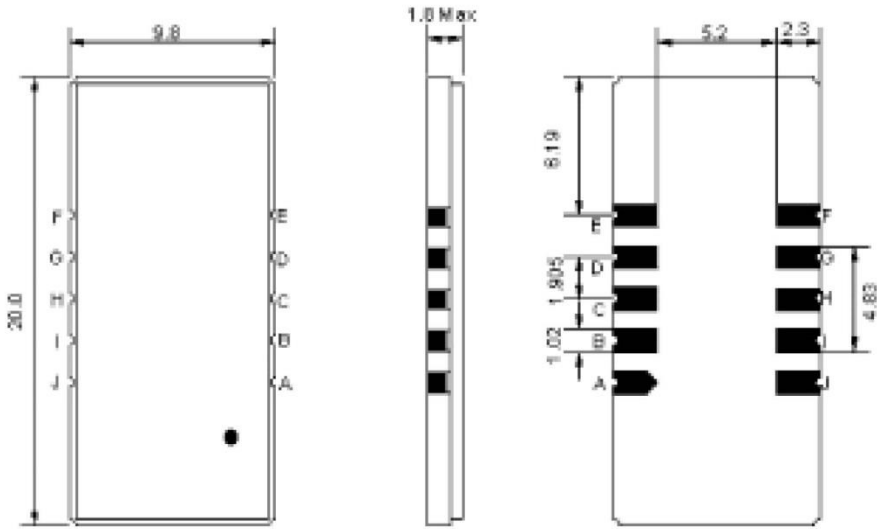
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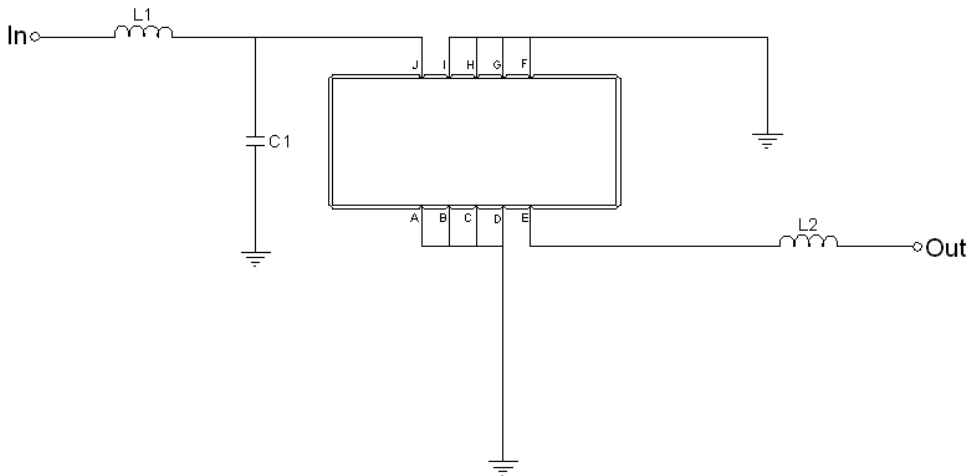
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Outline Drawing:



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

Testing Environment:



Test Fixture & Values	
Input	L1 = 120 nH C1 = 15 pF
Output	L2 = 150 nH
Source/Load Impedance	50 Ω



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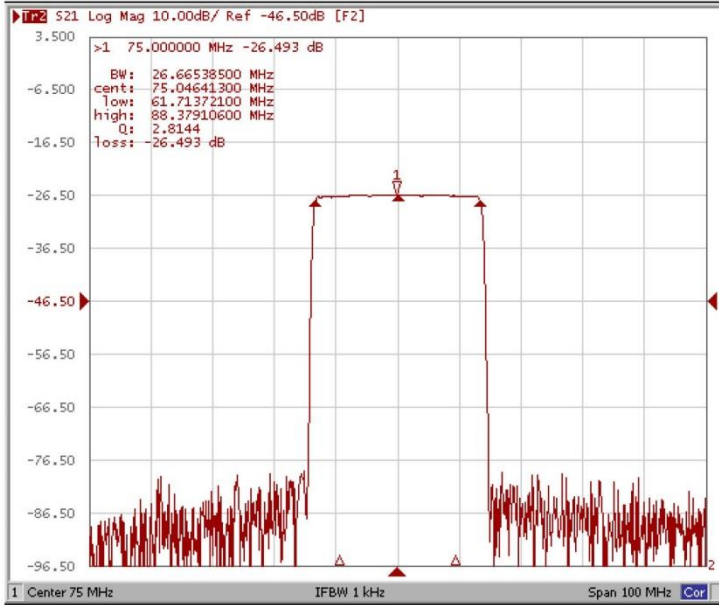
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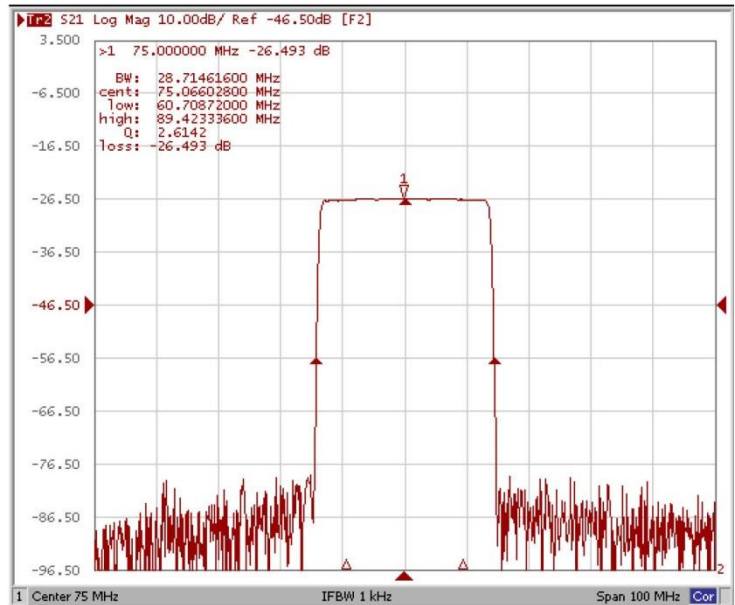
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Frequency Response:

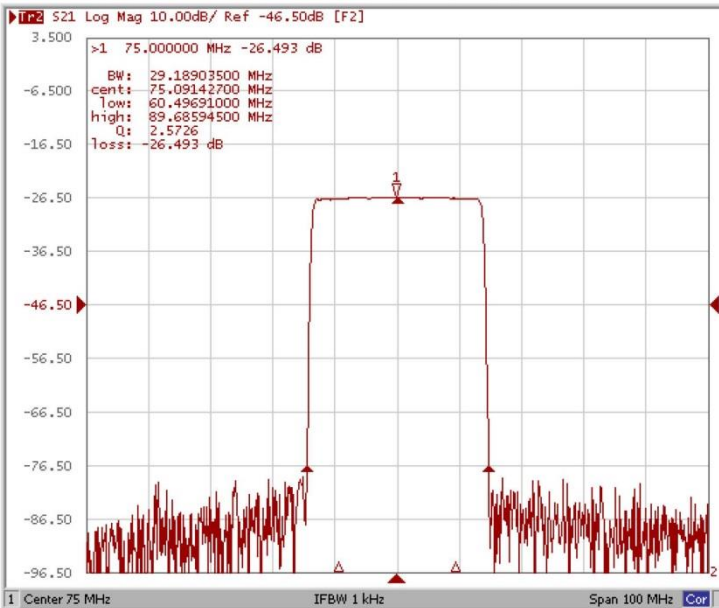
Bandwidth at -1.0 dB



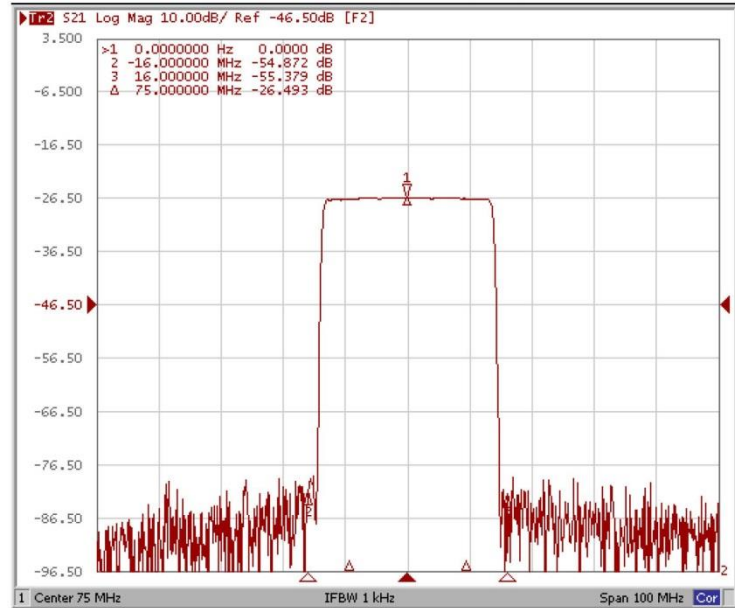
Bandwidth at -30.0 dB



Bandwidth at -50.0 dB



Relative Attenuation Fo±16MHz





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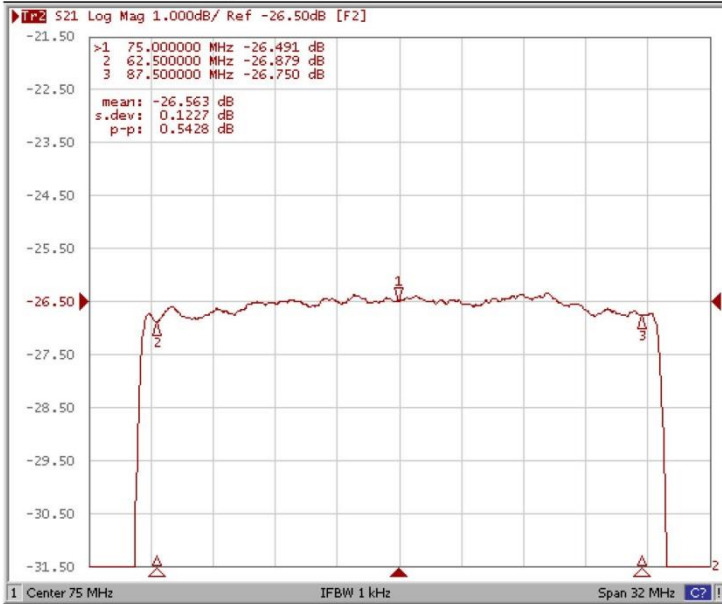
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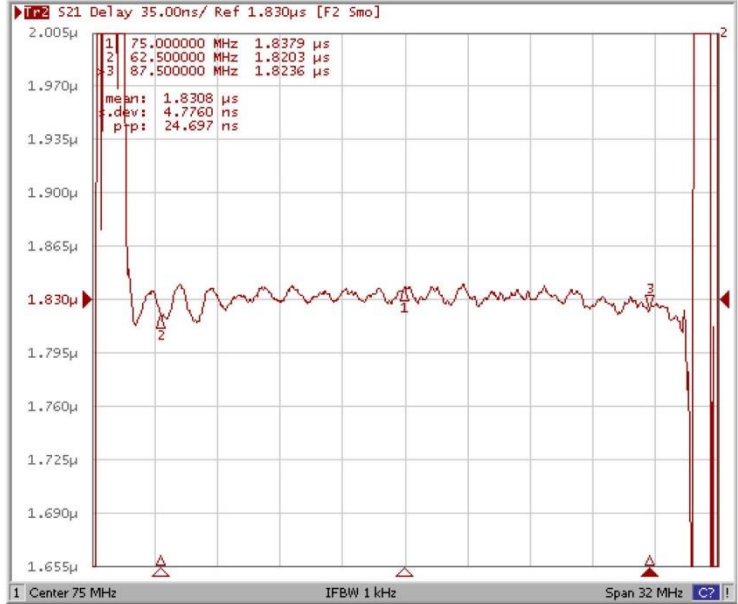
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Frequency Response:

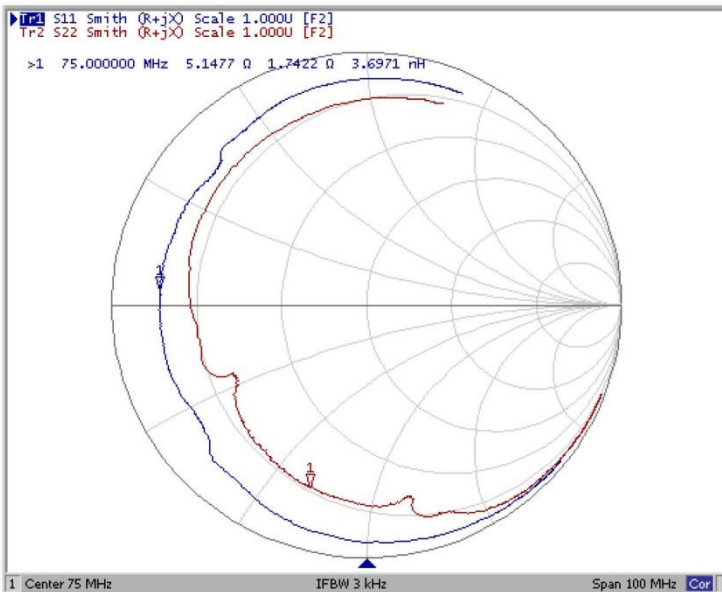
Ripple Variation Fo±12.5MHz



Group Delay Variation Fo±12.5MHz



Smith Chart



VSWR

