



60 MHz IF Saw Filter 13 MHz Bandwidth

Part Number: AM60S749

ANATECH ELECTRONICS INC
RF & Microwave Filters & Products



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	60.43	60.51	60.59
Insertion Loss at Fo	dB	-	24.0	25.0
Group Delay Variation	nsec	-	35	60
Absolute Delay at Fo	µsec	-	2.33	-
Passband Ripple Variation	dB	-	0.45	0.95
Bandwidth at -1.0 dB	MHz	-	13.91	-
Bandwidth at -3.0 dB	MHz	14.10	14.24	-
Bandwidth at -50.0 dB	MHz	-	15.76	15.85
Ultimate Rejection	dB	50	53	-
Temperature Coefficient	ppm/°C	-	-72	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+80
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	



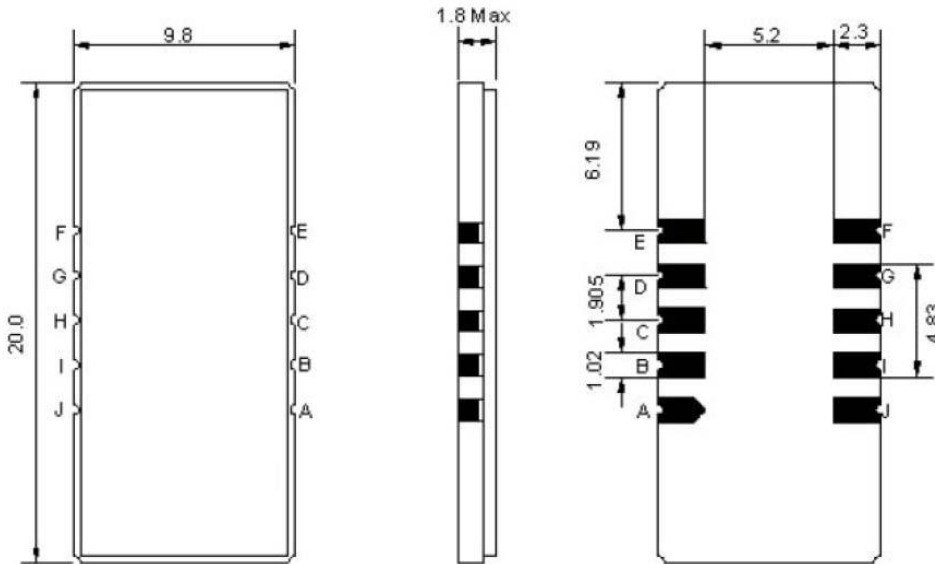
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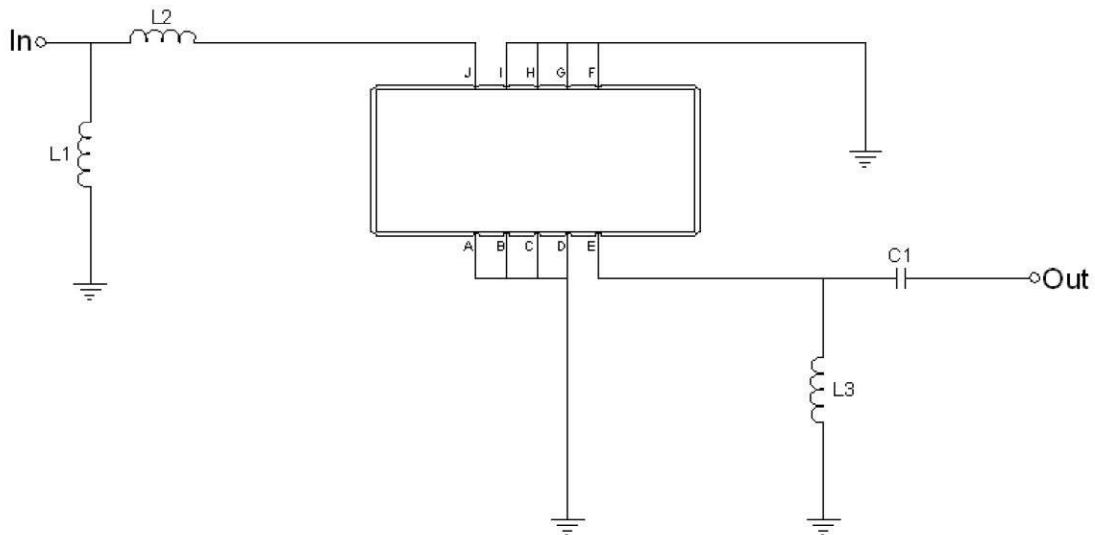
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Outline Drawing:



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

Testing Environment:



Test Fixture & Values	
Input	L1=270nH, L2=150nH
Output	L3=270nH, C1=68pF
Source/Load Impedance	50 Ω



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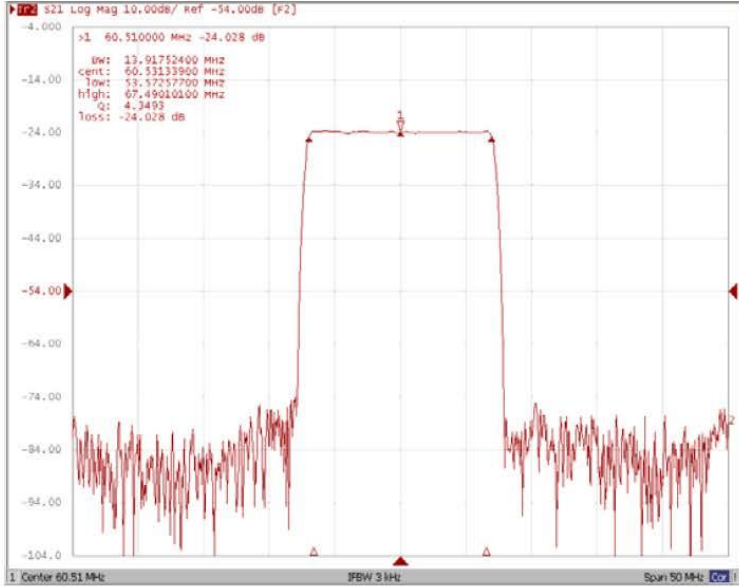
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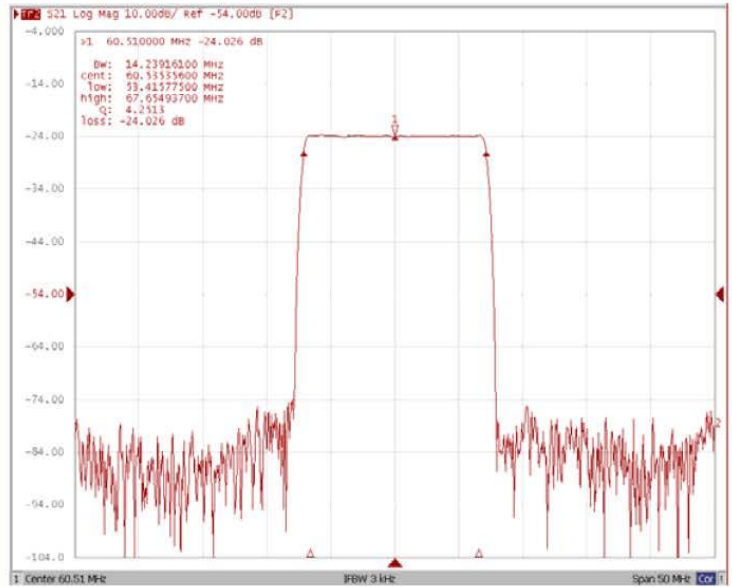
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Frequency Response:

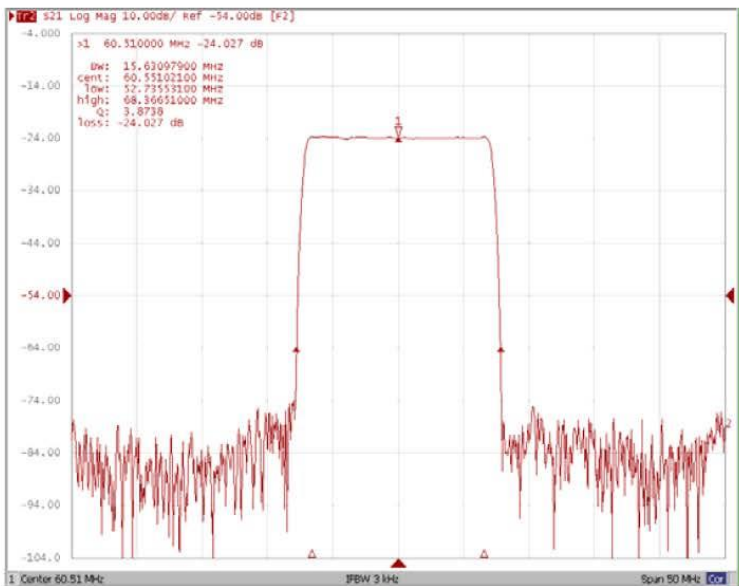
Bandwidth at -1.0 dB



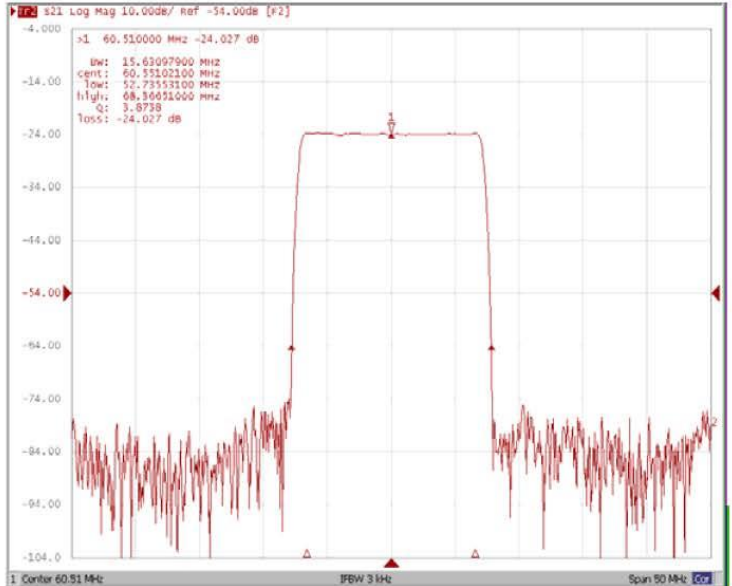
Bandwidth at -3.0 dB



Bandwidth at -40.0 dB



Bandwidth at -50.0 dB





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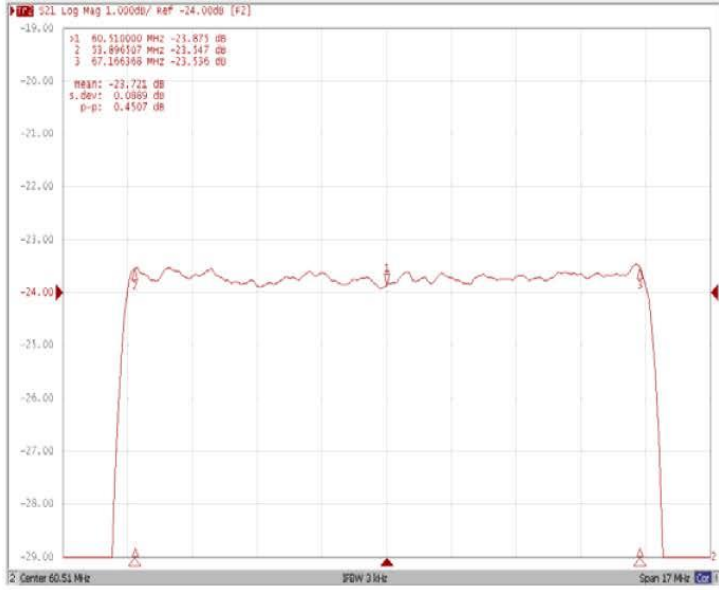
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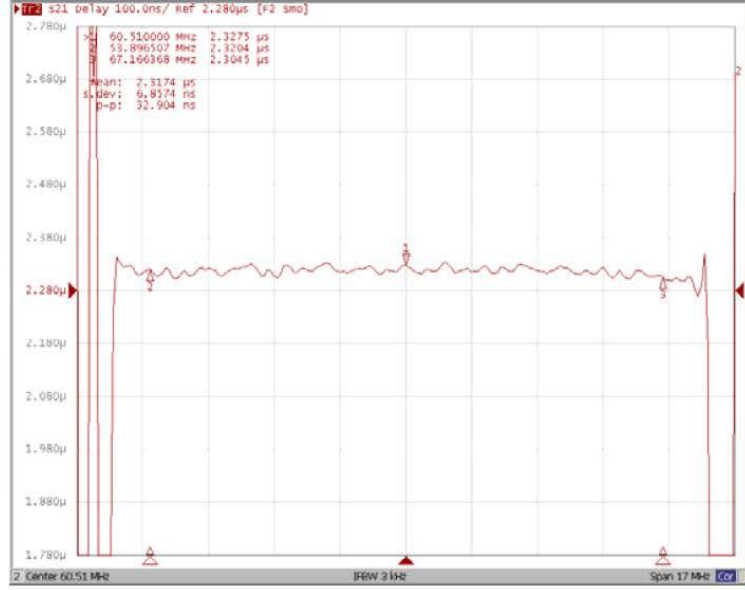


Frequency Response:

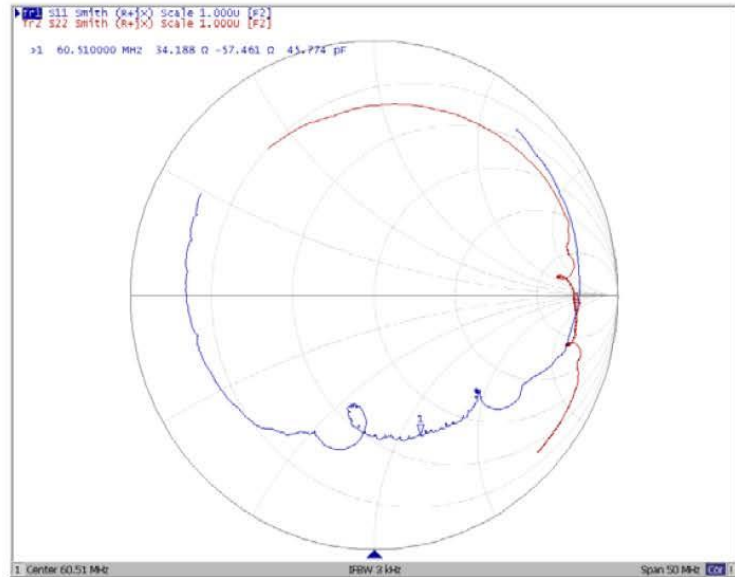
Ripple Variation



Group Delay Variation



Smith Chart



VSWR

