



65 MHz IF Saw Filter 29 MHz Bandwidth

Part Number: AM65S756

ANATECH ELECTRONICS INC
RF & Microwave Filters & Products



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	65.0	-
Insertion Loss at Fo	dB	-	31.5	33.0
Amplitude Ripple Variation	dBp-p	-	0.65	1.0
Group Delay Variation	nsec	-	30	60
Absolute Delay at Fo	µsec	-	2.14	-
Temperature Coefficient	ppm/°C	-	-72	-
Bandwidth at -1.0 dB	MHz	29.90	29.99	-
Bandwidth at -3.0 dB	MHz	-	30.30	-
Bandwidth at -40.0 dB	MHz	-	31.70	31.90
Relative Attenuation:				
Lower Sidelobe	dB	45	48	-
Upper Sidelobe	dB	45	48	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-	25	-
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 12.6 x 5.05 mm D			



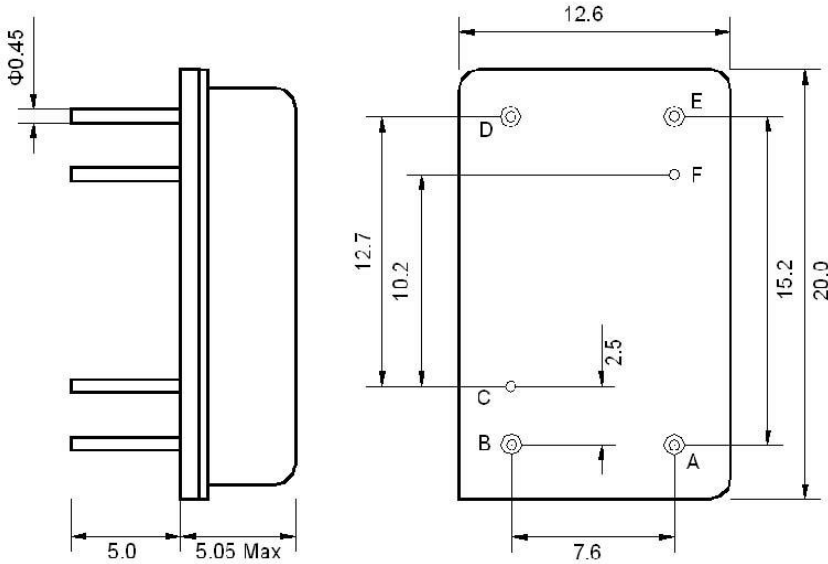
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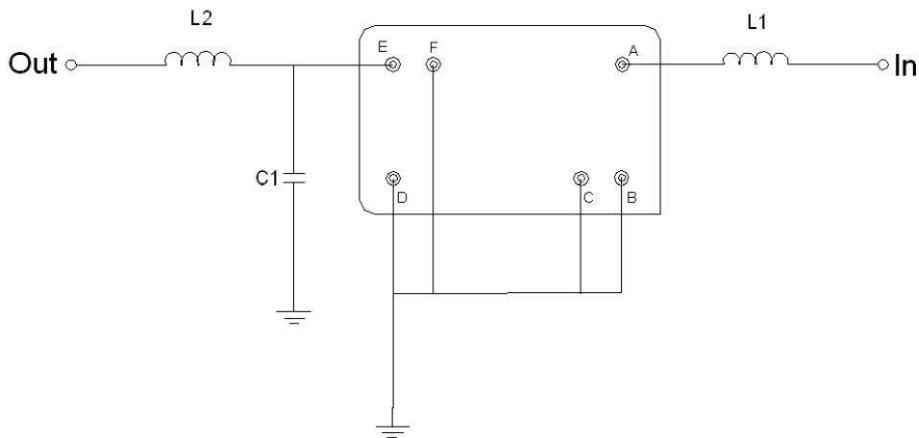
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Outline Drawing:



Pin Description	
B C D F	Ground
A	Input
E	Output

Testing Environment:



Test Fixture & Values	
Input	L1 = 150 nH
Output	L2 = 180 nH, C1 = 16 pF
Source/Load Impedance	50 Ω



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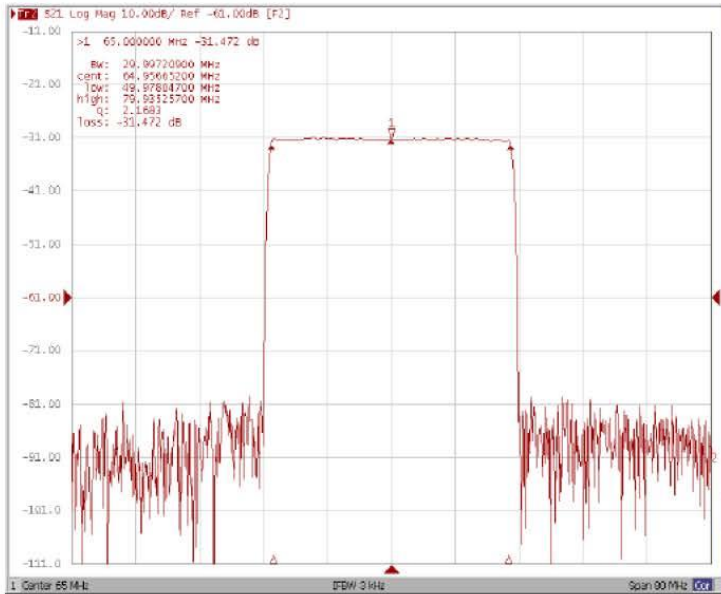
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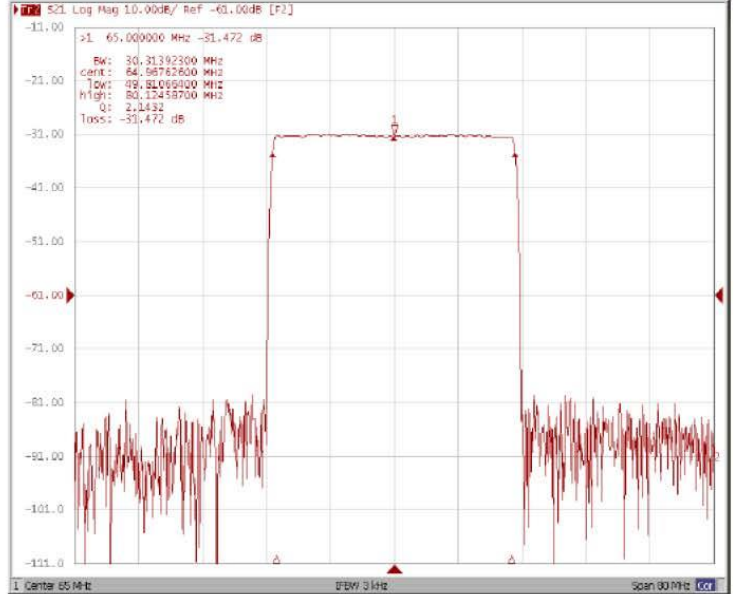
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Frequency Response:

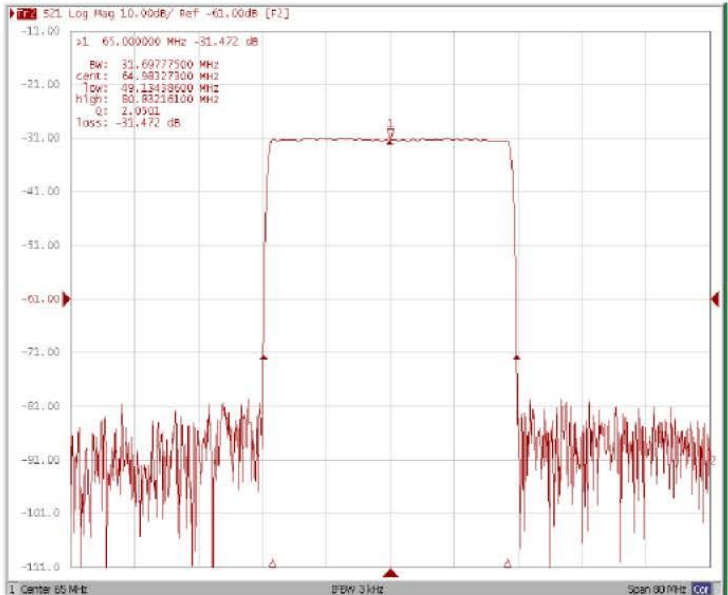
Bandwidth at -1.0 dB



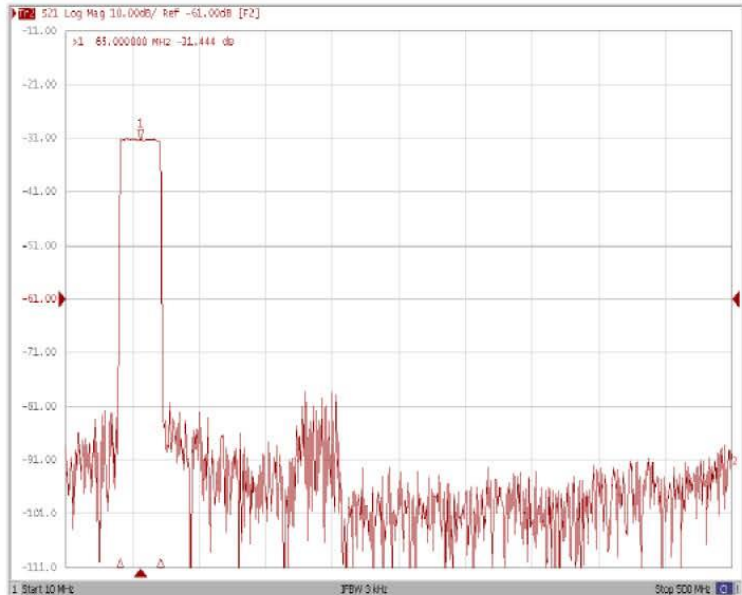
Bandwidth at -3.0 dB



Bandwidth at -40.0 dB



Wide-Band





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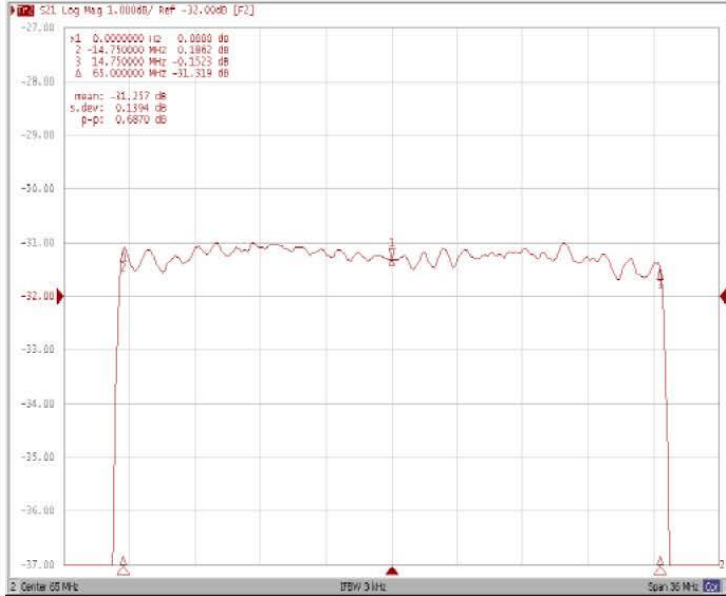
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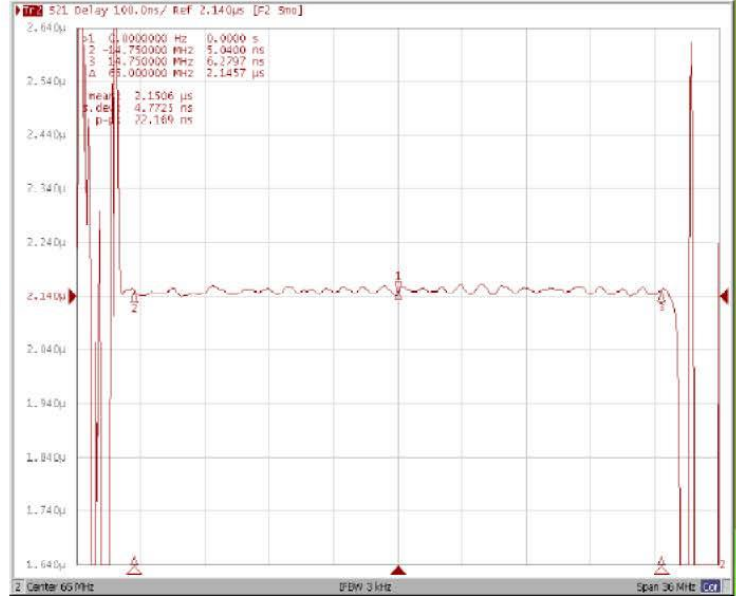
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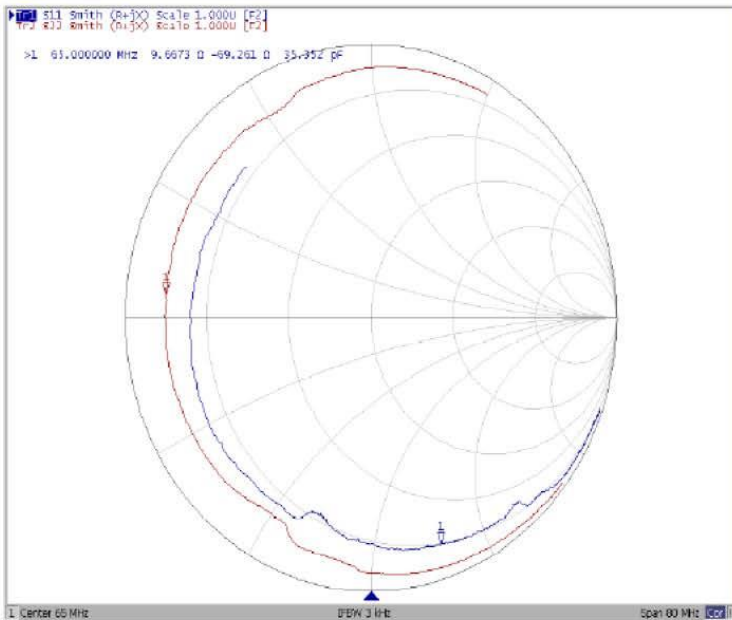
Ripple Variation Fo±14.75MHz



Group Delay Variation Fo±14.75MHz



Smith Chart



SWR

