



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

84 MHz IF Saw Filter 26 MHz Bandwidth

Part Number: AM84S573



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	84.0	-
Insertion Loss at Fo	dB	-	26.0	28.0
Passband Ripple within Fo ± 12.5 MHz	dB	-	0.65	1.00
Group Delay Variation within Fo ± 12.5 MHz	nsec	-	30	80
Absolute Delay at Fo	usec	-	1.42	-
Bandwidth at -1.0 dB	MHz	24.96	26.2	-
Bandwidth at -10.0 dB	MHz	-	27.6	27.9
Bandwidth at -20.0 dB	MHz	-	28.2	28.5
Bandwidth at -30.0 dB	MHz	-	28.6	28.9
Bandwidth at -40.0 dB	MHz	-	28.9	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient	ppm/°C	-	-72	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	0	-	+70
Storage Temperature Range	°C	-30	-	+80
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		13.3 x 6.5 x 1.8 mm		V



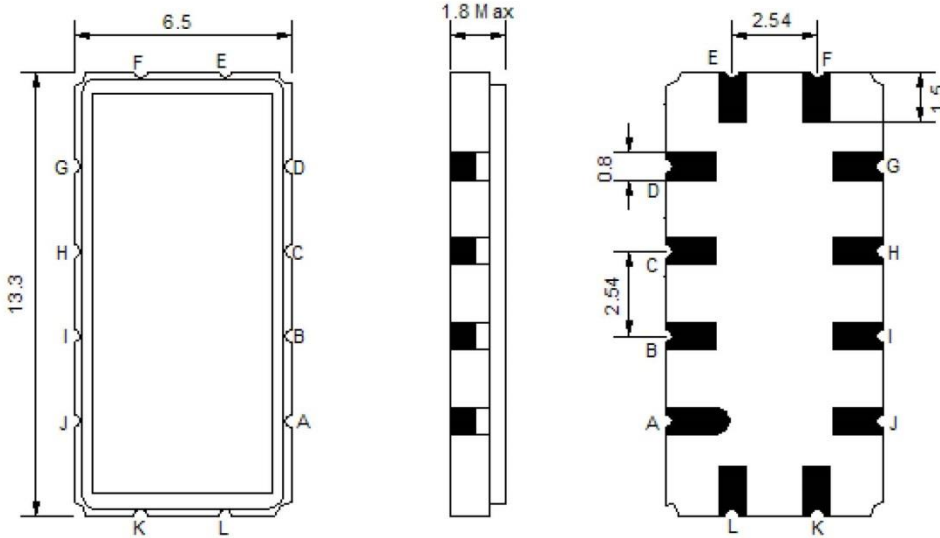
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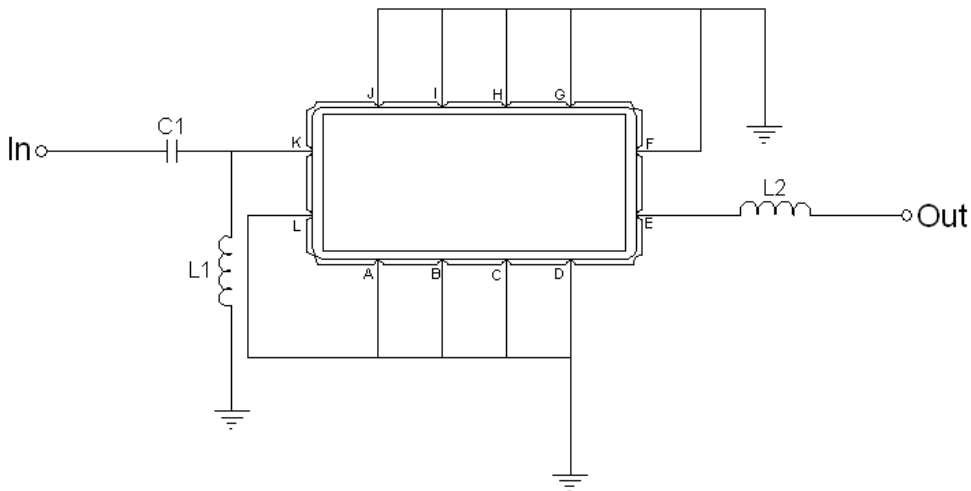
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Outline Drawing:



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

Testing Environment:



Pin Description	
Ground	L1 = 120 nH C1 = 51 pF
Input	L2 = 180 nH
Source/Load Impedance	50 Ω



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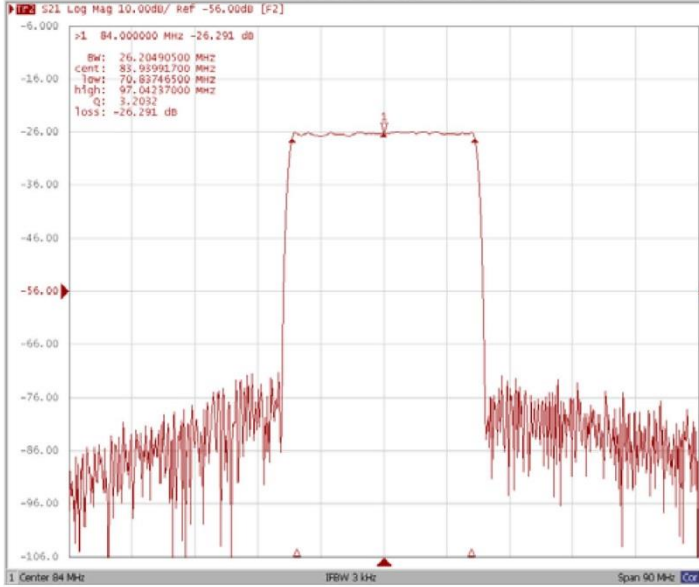
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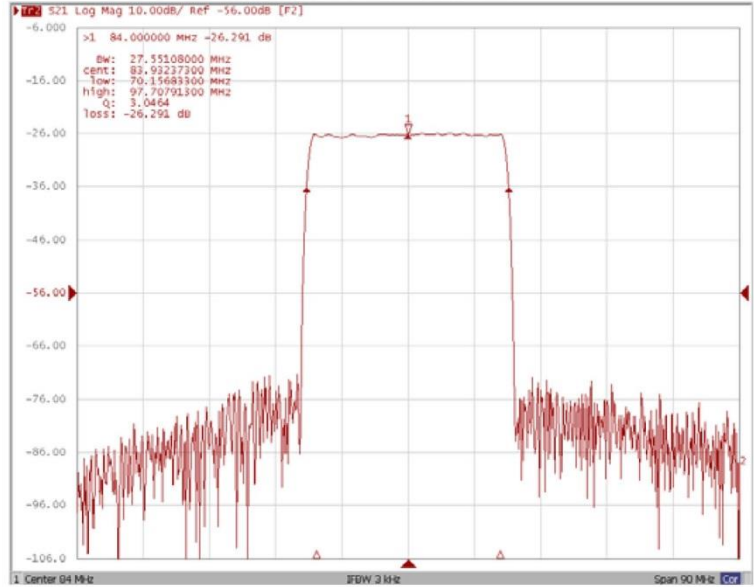
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Frequency Response:

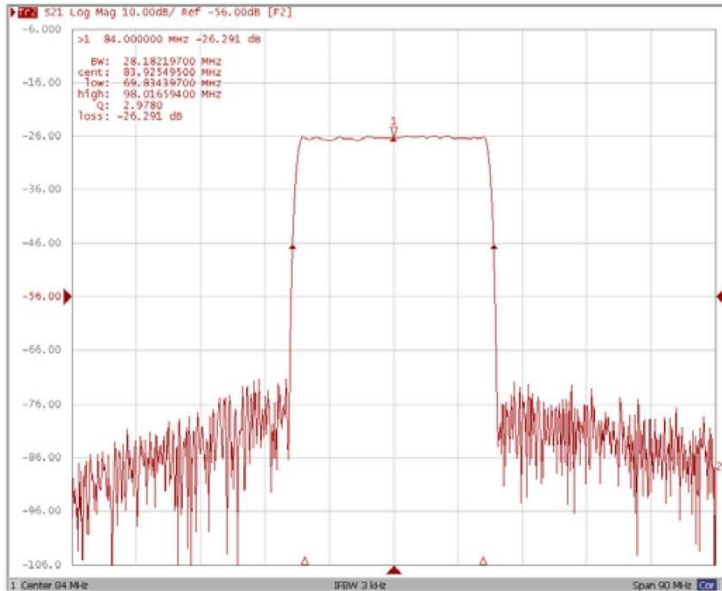
Bandwidth at -1.0 dB



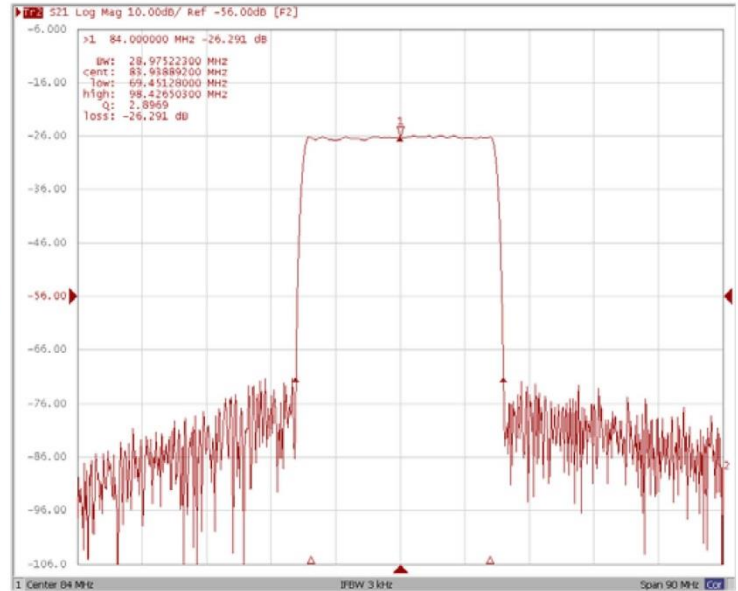
Bandwidth at -10.0 dB



Bandwidth at -20.0 dB



Bandwidth at -45.0 dB





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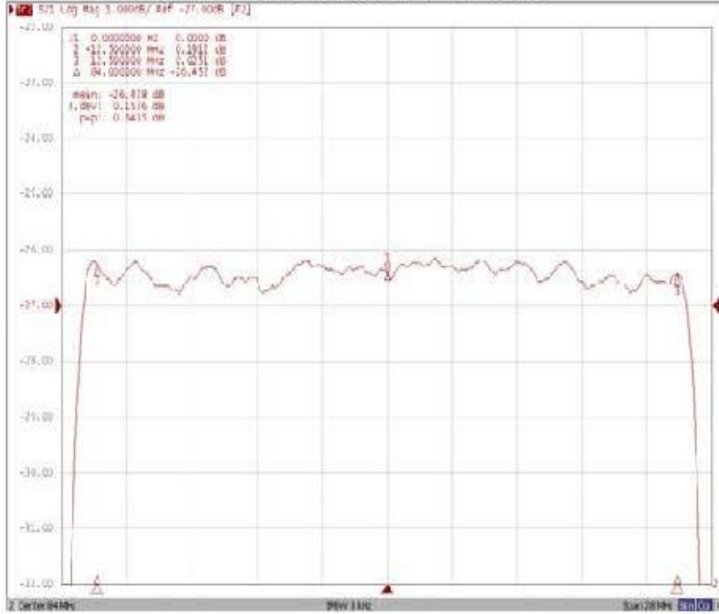


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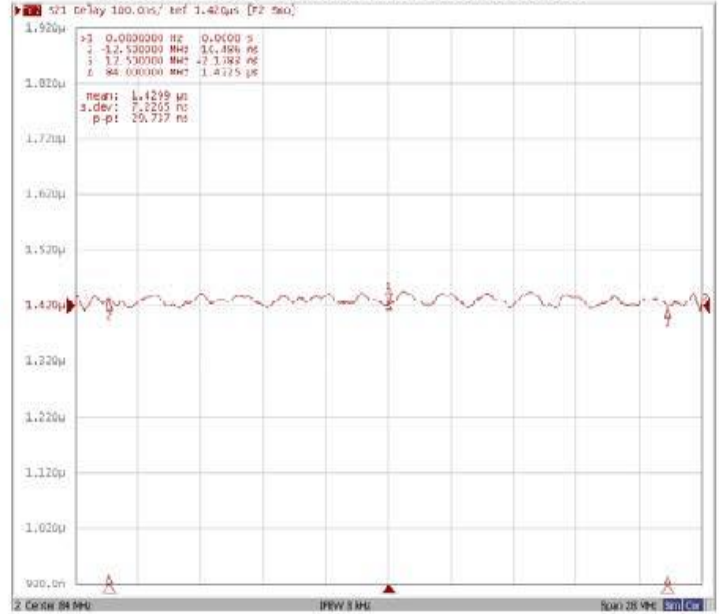
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Frequency Response:

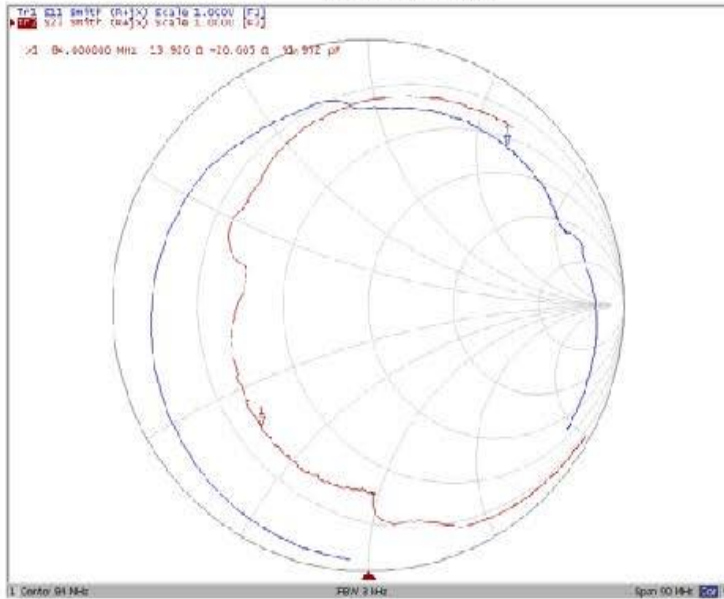
Ripple Variation Fo±12.5MHz



Group Delay Variation Fo±12.5MHz



Smith Chart



VSWR

