



140 MHz IF Saw Filter 14 MHz Bandwidth

Part Number: AM140S613

ANATECH ELECTRONICS INC
RF & Microwave Filters & Products



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	140.0	-
Insertion Loss at Fo	dB	-	27.0	28.0
Amplitude Ripple at Fo ± 6.875 MHz	dB _{p-p}	-	0.4	1.0
Group Delay Variation at Fo ± 6.875 MHz	nsec	-	40	100
Absolute Delay at Fo	usec	-	3.30	-
Bandwidth at -1.0 dB	MHz	-	14.30	-
Bandwidth at -3.0 dB	MHz	14.55	14.67	-
Bandwidth at -40.0 dB	MHz	-	16.20	16.30
Relative Attenuation:				
Lower Sidelobe	dB	55	60	-
Upper Sidelobe	dB	55	60	-
Fc – 8.5 MHz	dB	60	65	-
Fc + 8.5 MHz	dB	60	65	-
Temperature Coefficient	ppm/°C	-	-23	-

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	27.0 x 12.0 x 5.3 mm			E



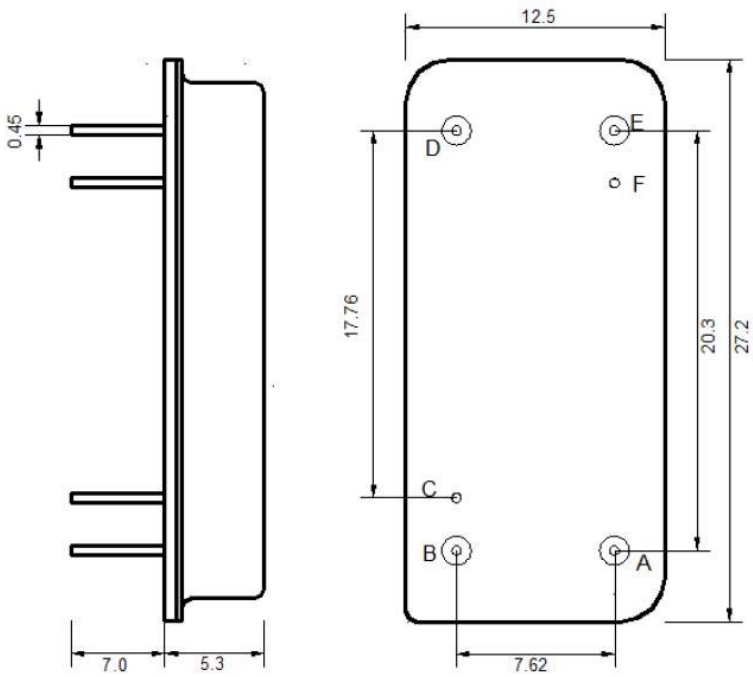
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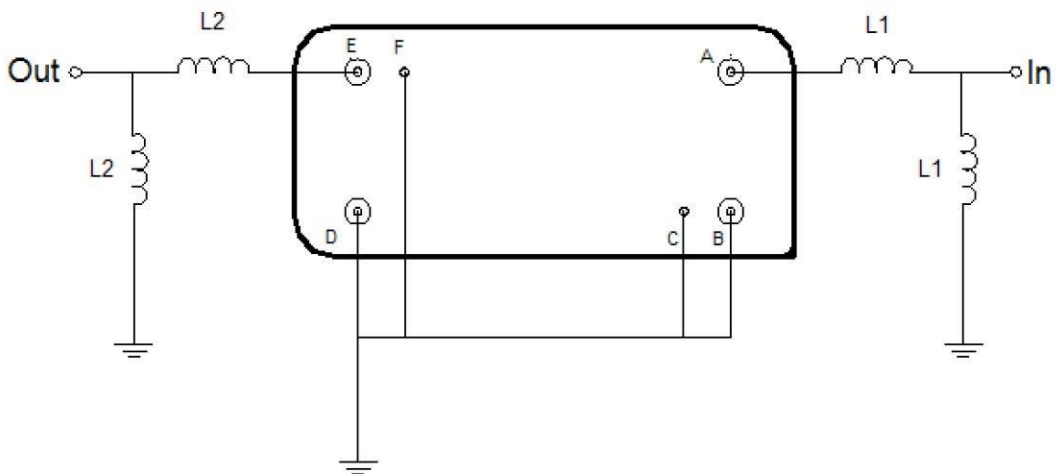
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Outline Drawing:



Pin Description	
Ground	B C D F
Input	A
Output	E

Testing Environment:



Test Fixture & Values	
Input	L1=56 nH , L2=56 nH
Output	L3=56 nH , L4=39 nH
Source/Load Impedance	50 Ω



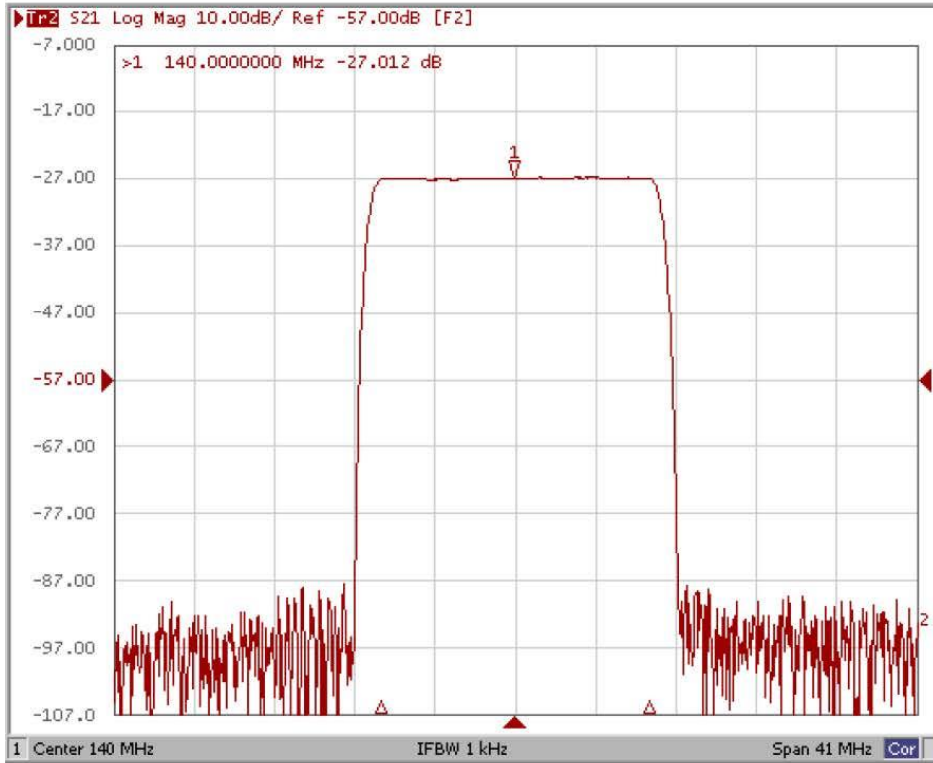
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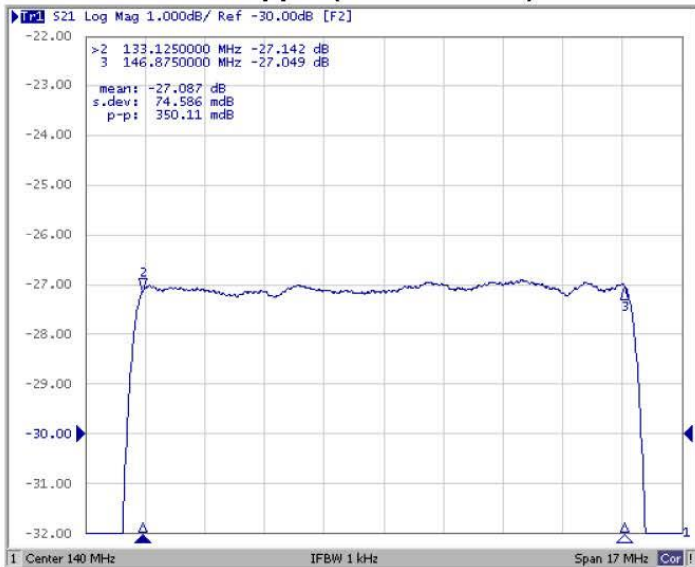
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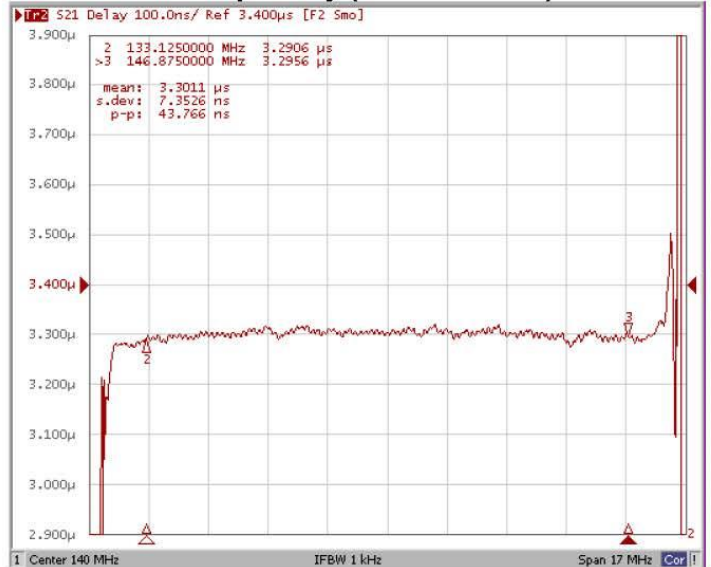
Frequency Response:



Ripple (Fo±6.875MHz)



Group Delay (Fo±6.875MHz)





Frequency Response:

