ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

140 MHz IF Saw Filter 5 MHz Bandwidth

Part Number: AM140S610

ISO 9001 REGISTERED FIRM

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	140.0	-
Insertion Loss at Fo	dB	-	23.0	25.0
Amplitude Ripple at Fo ± 2.2 MHz	dB_{p-p}	-	0.4	1.0
Group Delay Variation at Fo ± 2.2 MHz	nsec	-	100	150
Absolute Delay at Fo	usec	-	3.2	-
Bandwidth at -1.0 dB	MHz	-	4.8	-
Bandwidth at -3.0 dB	MHz	5.0	5.07	-
Bandwidth at -40.0 dB	MHz	-	6.32	6.38
Relative Attenuation:				
Lower Sidelobe	dB	60	65	-
Upper Sidelobe	dB	60	65	-
138.125 – 1.625 MHz	dB	65	70	-
141.875 – 1.625 MHz	dB	65	70	-
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			

70 Outwater Lane **Phone: (973) 772-4242**
Garfield, NJ 07026 **Fax : (973) 772-4646**
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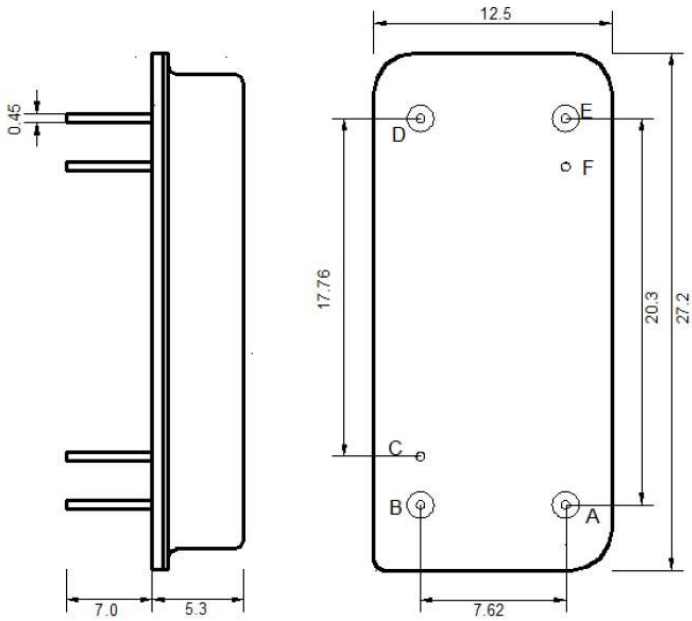
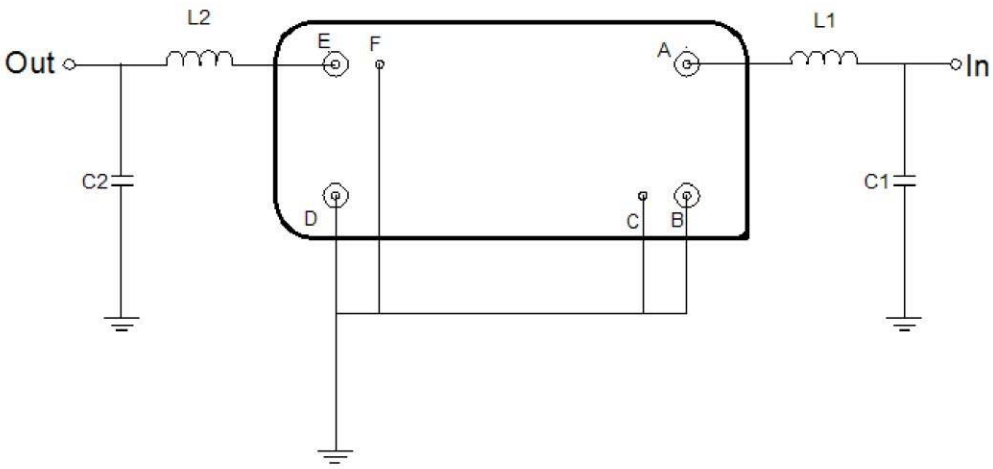
Outline Drawing:



Pin Description	
Ground	B C D F
Input	A
Output	E

Testing Environment:



Test Fixture & Values	
Input	L1=33nH , C1=33pF
Output	L2=33nH , C2=33pF
Source/Load Impedance	50 Ω

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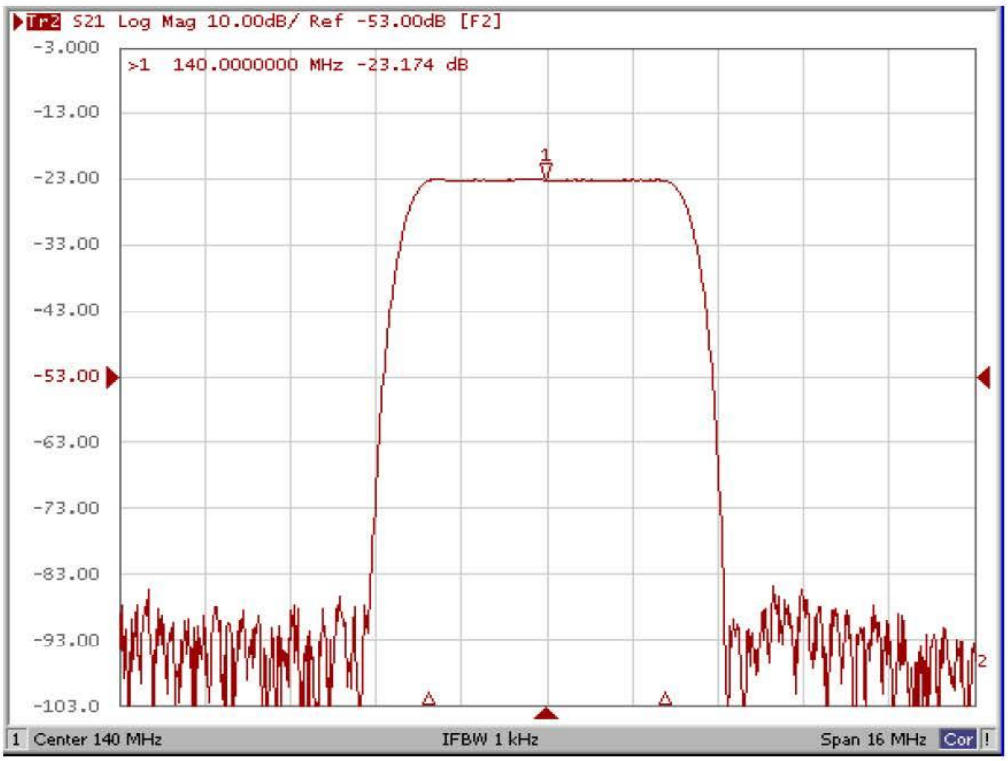
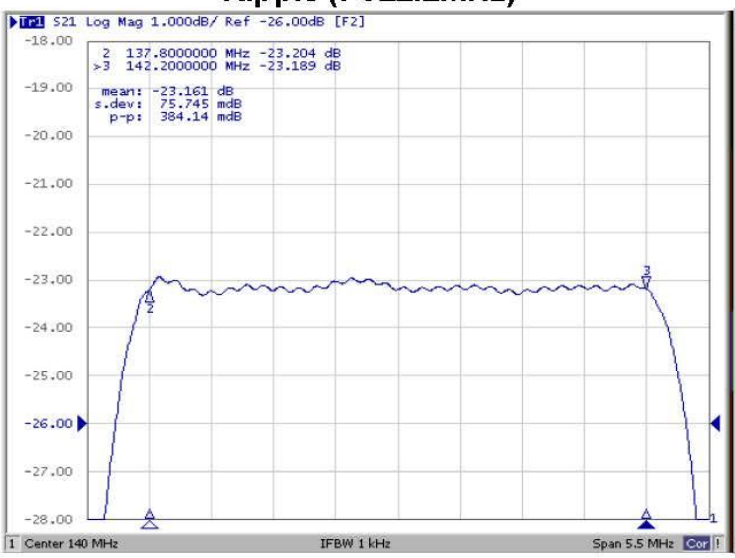
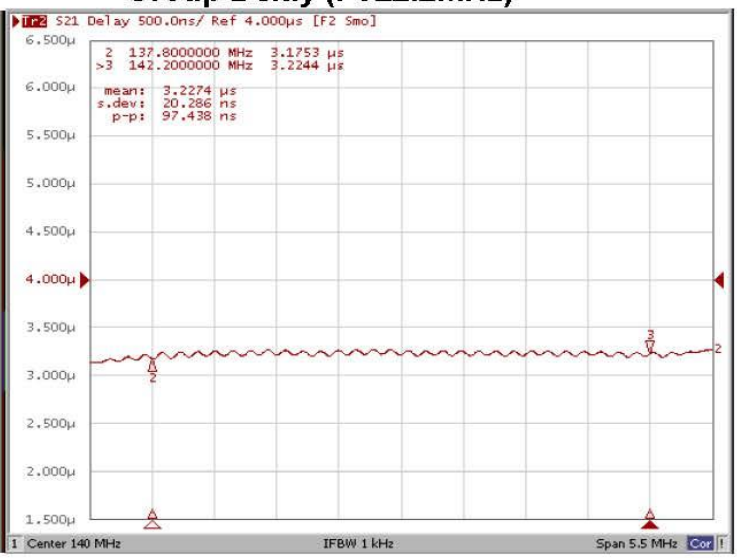
Frequency Response:



Ripple (Fo±2.2MHz)



Group Delay (Fo±2.2MHz)



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