



# 140 MHz IF Saw Filter 5 MHz Bandwidth

## Part Number: AM140S611

**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	140.0	-
Insertion Loss at Fo	dB	-	12.8	15.0
Amplitude Ripple at Fo ± 1.875 MHz	dB <sub>p-p</sub>	-	0.38	1.0
Group Delay Variation at Fo ± 1.875 MHz	nsec	-	75	150
Absolute Delay at Fo	usec	-	0.95	-
Bandwidth at -1.0 dB	MHz	-	5.0	-
Bandwidth at -3.0 dB	MHz	5.7	5.8	-
Bandwidth at -40.0 dB	MHz	-	8.5	8.8
<b>Relative Attenuation:</b>				
Lower Sidelobe	dB	45	50	-
Upper Sidelobe	dB	45	50	-
Fc – 3.5 MHz	dB	-	14	-
Fc + 3.5 MHz	dB	-	9.5	-
Temperature Coefficient	ppm/°C	-	-18	-

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) <sub>1</sub>	Ω	-	50	-
Load Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-
Package Size and Type	13.3 x 6.5 x 1.8 mm		V	



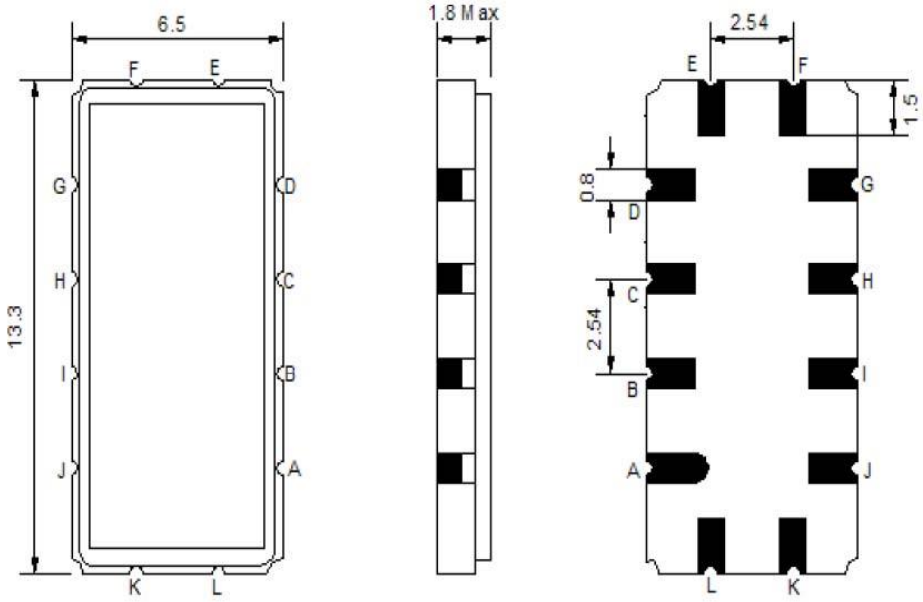
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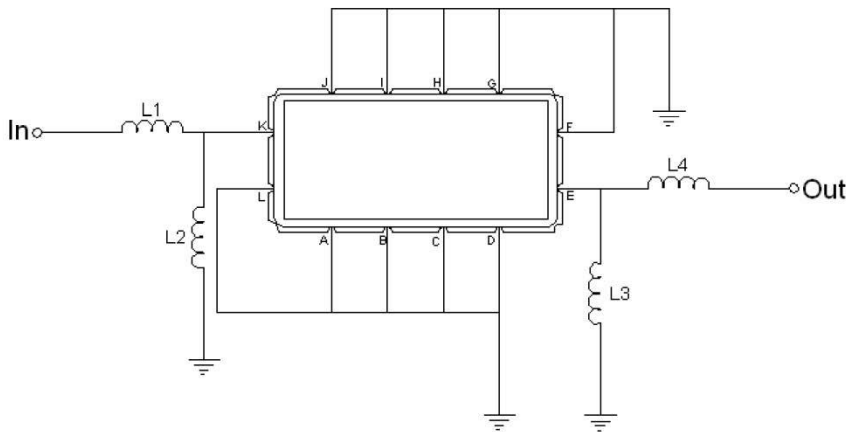
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### Outline Drawing:



Pin Description	
Ground	B C D F
Input	A
Output	E

### Testing Environment:



Test Fixture & Values	
Input	L1= Needless , L2=33 nH
Output	L3= Needless , L4=27 nH
Source/Load Impedance	50 Ω



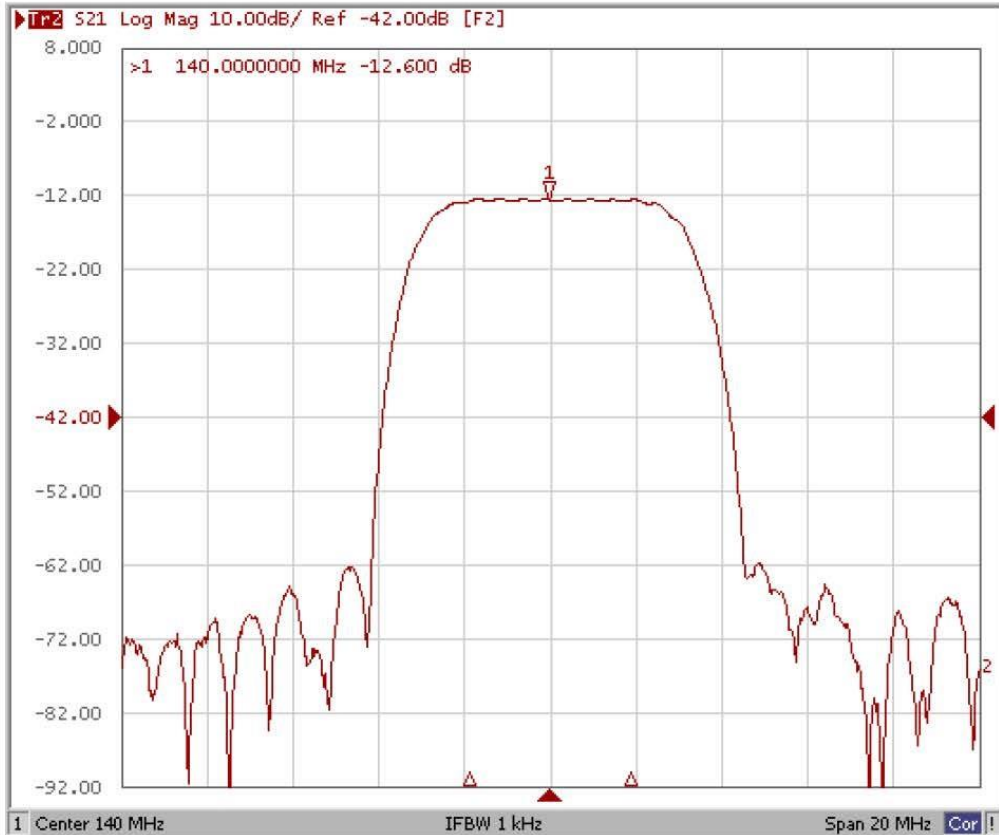
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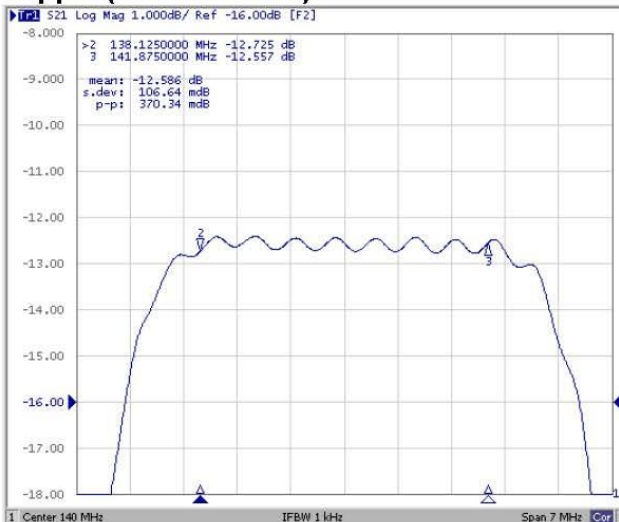


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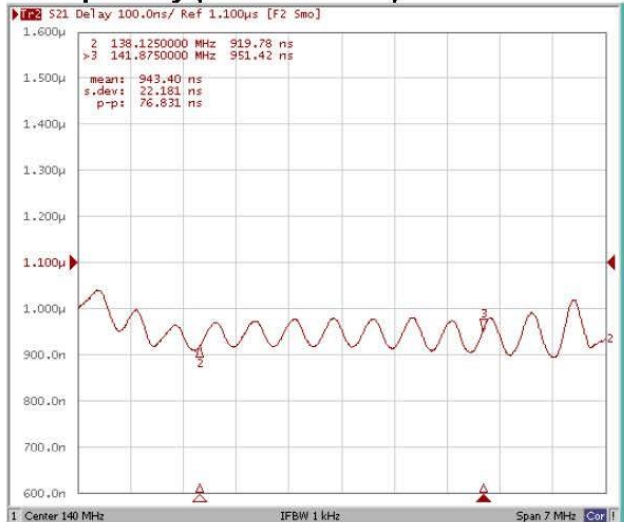
### Frequency Response:



### Ripple ( $F_o \pm 1.875\text{MHz}$ )



### Group Delay ( $F_o \pm 1.875\text{MHz}$ )





### Frequency Response:

