



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

153 MHz IF Saw Filter 2 MHz Bandwidth

Part Number: AM153S618



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	153.50	153.60	153.70
Insertion Loss at Fo	dB	-	19.0	20.0
Phase Linearity	Deg	-	5.0	7.0
Group Delay Variation	nsec	-	190	220
Absolute Delay at Fo	usec	-	2.20	-
Passband Ripple Variation	dB	-	0.45	0.60
Bandwidth at -1.0 dB	MHz	1.8	2.0	-
Bandwidth at -3.0 dB	MHz	2.1	2.3	-
Bandwidth at -40.0 dB	MHz	-	3.3	3.5
Ultimate Rejection	dB	40	45	-
Ambient Temperature	°C	-	25	-
Substrate Material	Qz			

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	19.0 x 6.5 x 1.8 mm X			



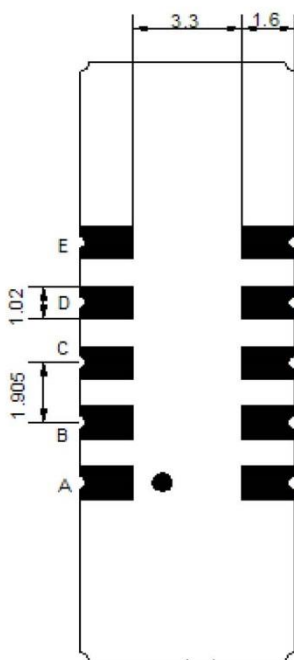
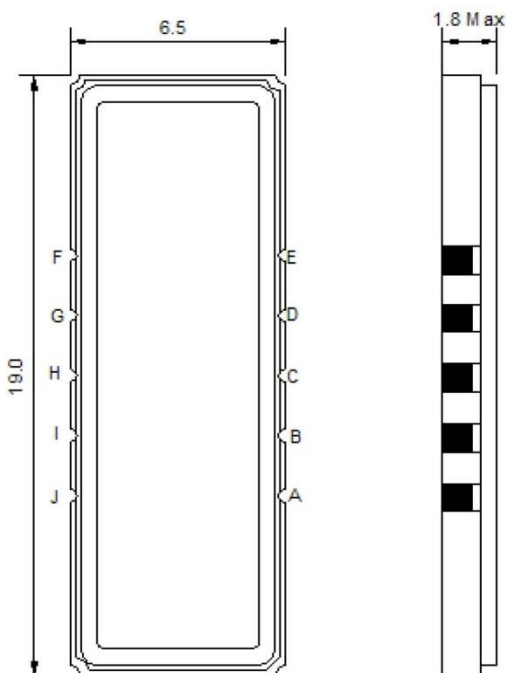
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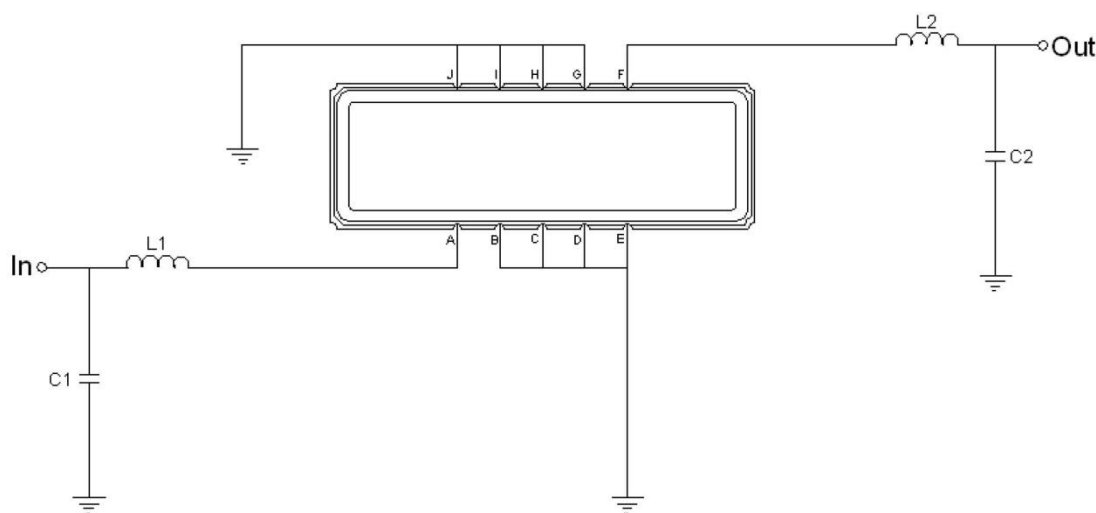


Outline Drawing:



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

Testing Environment:



Test Fixture & Values	
Input	L1 = 78 nH , C1 = 47 pF
Output	L2 = 68 nH , C2 = 39 pF
Source/Load Impedance	50 Ω



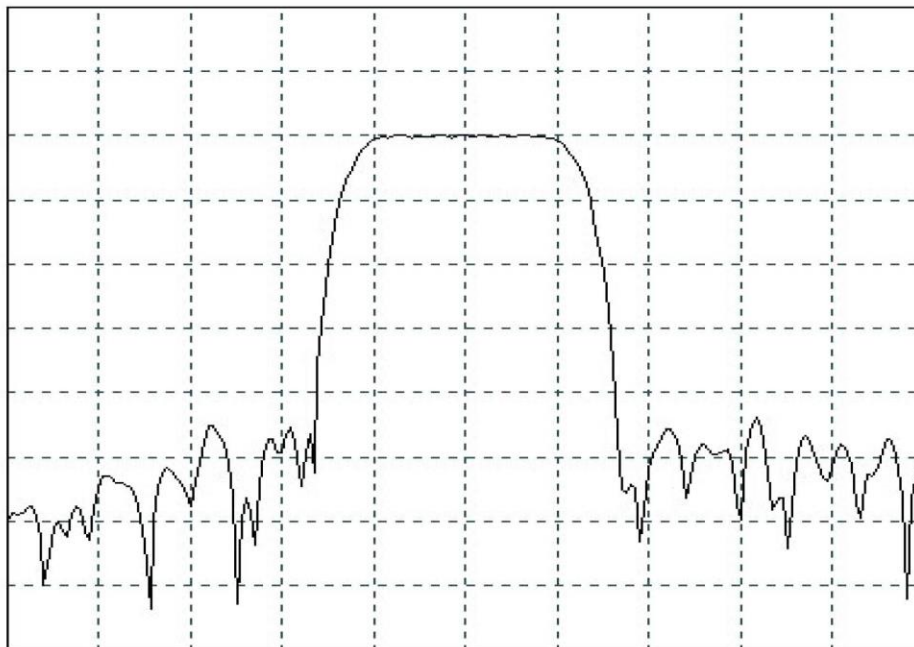
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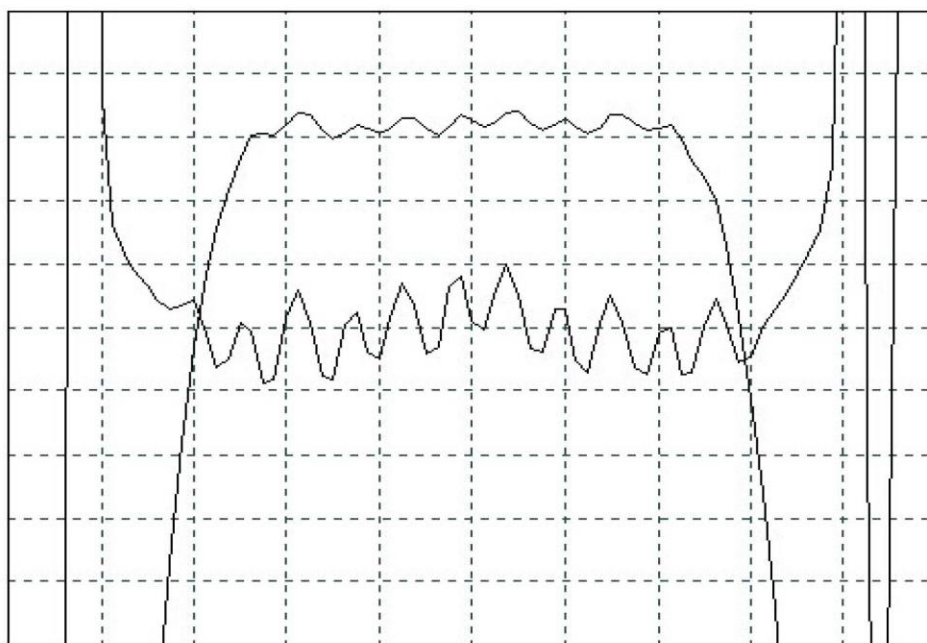
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Frequency Response:



Horizontal : 1.0 MHz/Div
Vertical : 10 dB/Div



Horizontal : 0.4MHz/Div
Vertical : 1 dB/Div
Vertical : 100 ns/Div