



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

140 MHz IF Saw Filter

Part Number: AM140S260



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	139.80	140.0	14.02
Insertion Loss at Fo	dB	-	22.2	24.0
Passband Ripple Variation	dB	-	0.65	1.0
Group Delay Variation	nsec	-	20	50
Absolute Delay at Fo	usec	-	0.96	-
Bandwidth at -1.0 dB	MHz	33.0	34.0	-
Bandwidth at -3.0 dB	MHz	34.0	35.4	-
Bandwidth at -40.0 dB	MHz	-	40.4	42.0
Ultimate Rejection	dB	50	58	-
Ambient Temperature	°C	-	25	-
Substrate Material	LN			

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	20.2 x 12.6 x 5.3 mm			

Notes: (1) With Marking Network (Ref. Testing Environment Circuit as shown below). Those impedances could be modified with different impedance values and/or structures, if necessary.



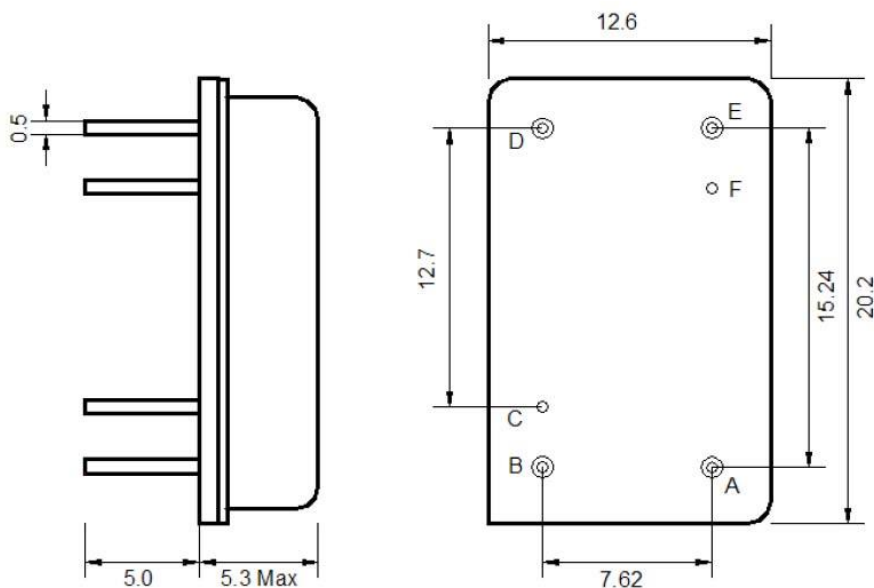
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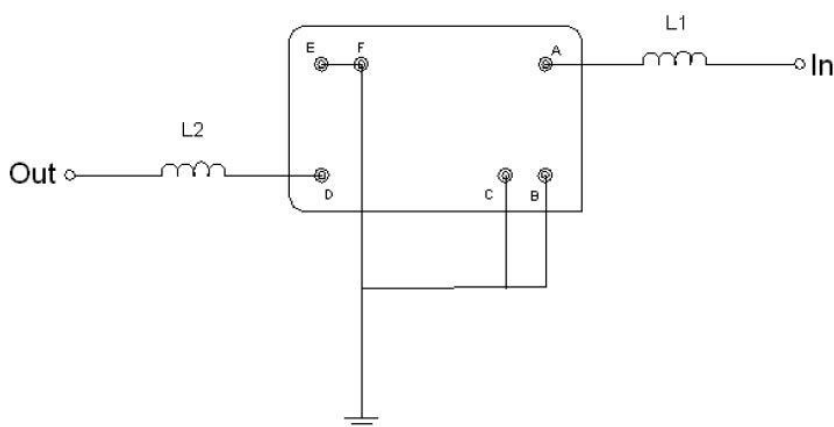


Outline Drawing:



Pin Description	
Ground	B C E F
Input	A
Output	D

Testing Environment:



Test Fixture & Values	
Input	L1 = 68nH
Output	L2 = 82nH
Source/Load Impedance	50 Ω



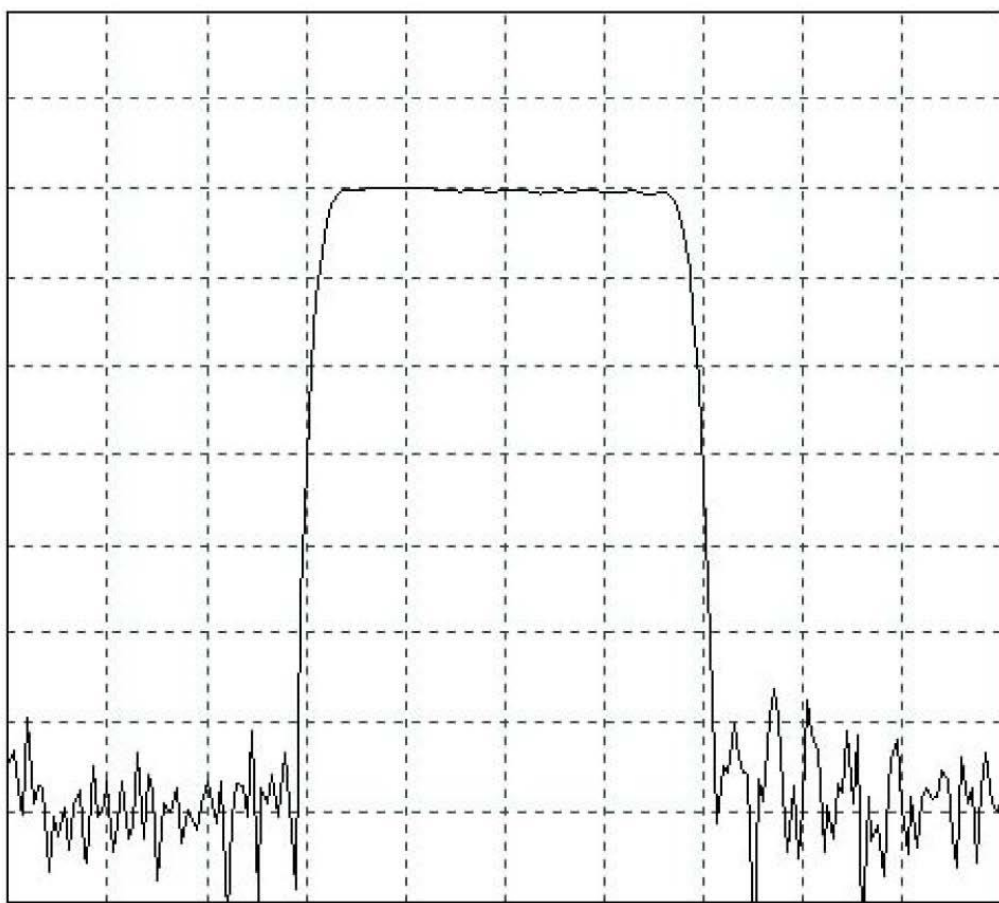
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Frequency Response:



Horizontal: 10.0MHz/Div.
Vertical: 10dB/Div.