



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

140 MHz Low Loss IF Saw Filter

Part Number: AM140S415



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	140.0	-
Insertion Loss at Fo	dB	-	14.5	16.0
Amplitude Ripple within Fo ± 13.0 MHz	dBp-p	-	0.45	1.0
Group Delay Variation within Fo ± 13.0 MHz	nsec	-	50	80
Absolute Delay at Fo	usec	-	0.91	-
Bandwidth at -1.0 dB	MHz	27.5	28.0	-
Bandwidth at -3.0 dB	MHz	28.5	29.0	-
Bandwidth at -40.0 dB	MHz	-	32.8	33.5
Lower Sidelobe	dB	45	50	-
Upper Sidelobe	dB	45	50	-
Coefficient Temperature	ppm/°C	-	-86	-

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	13.3 x 6.5 x 1.8 mm			

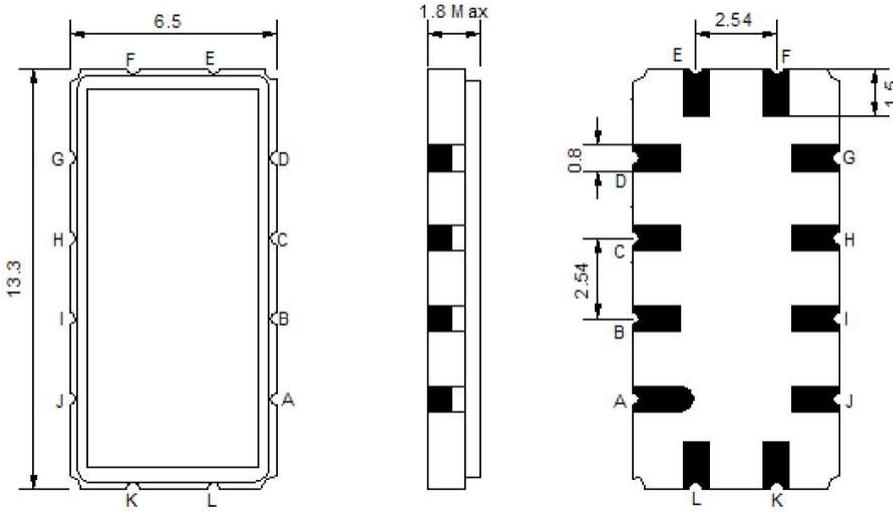


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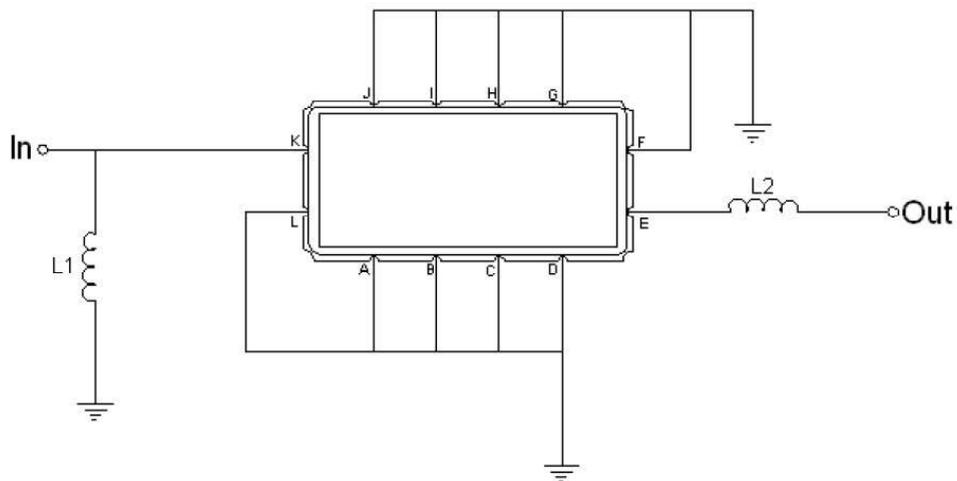


Outline Drawing:



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

Testing Environment:



Test Fixture & Values	
Input	L1=22nH Q >40
Output	L2=22nH Q.>40
Source/Load Impedance	50 Ω



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Frequency Response:

