



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Low-Loss 140 MHz IF Saw Filter

Part Number: AM140S710

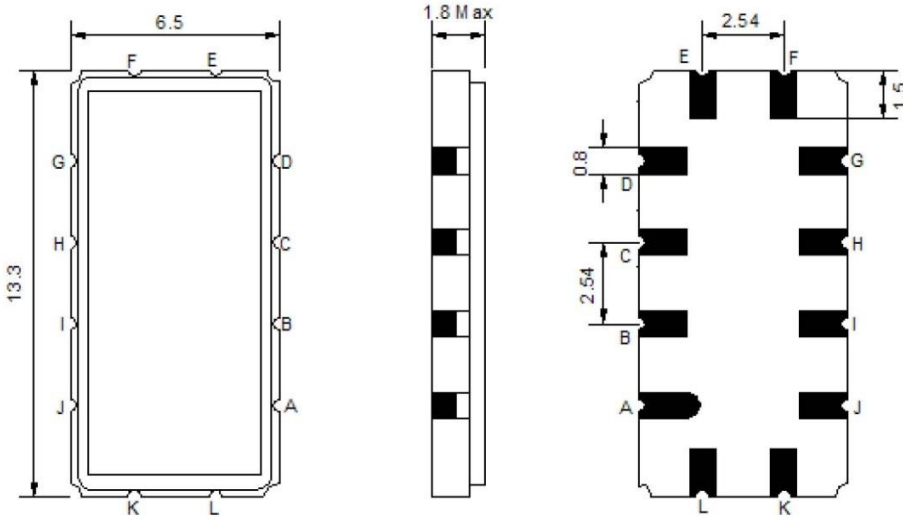


Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	139.80	140.00	140.20
Insertion Loss at Fo	dB	-	8.00	11.00
Amplitude Ripple Variation	dBp-p	-	0.62	1.00
Group Delay Variation	nsec	-	110	180
Absolute Delay at Fo	µsec	-	0.98	-
Temperature Coefficient	ppm/°C	-	-86	-
Bandwidth at -1.0 dB	MHz	13.60	13.80	-
Bandwidth at -3.0 dB	MHz	14.80	15.05	-
Bandwidth at -40.0 dB	MHz	-	18.35	18.60
Bandwidth at -45.0 dB	MHz	-	18.60	19.00
Lower Sidelobe	dB	45	48	-
Upper Sidelobe	dB	40	45	-

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		13.3 x 6.5 x 1.8 mm		V

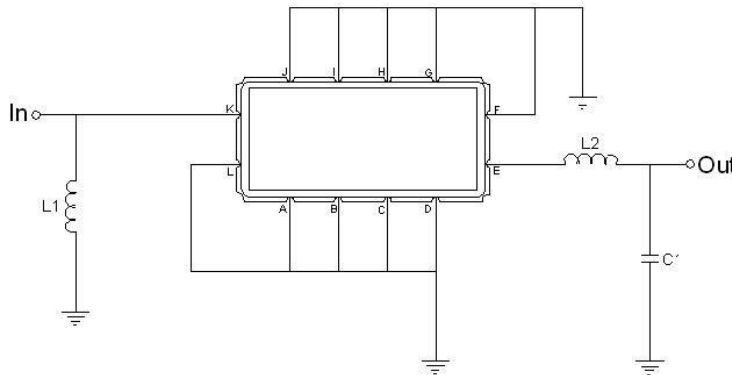


Outline Drawing:



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

Testing Environment:



Test Fixture & Values	
Input	L1=39nH, Q >40
Output	L2=47nH, Q.>40 , C2=27pF
Source/Load Impedance	50 Ω



Frequency Response:

