



147 MHz IF Saw Filter

Part Number: AM147S714



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	146.6	147.0	147.4
Insertion Loss at Fo	dB	-	10.8	12.50
Amplitude Ripple Variation at Fo ± 1.6 MHz	dB _{p-p}	-	0.40	1.00
Group Delay Variation at Fo ± 1.6 MHz	nsec	-	60	100
Absolute Delay at Fo	µsec	-	0.90	-
Temperature Coefficient	ppm/°C	-	-20	-
Bandwidth at -1.0 dB	MHz	3.5	4.0	-
Bandwidth at -3.0 dB	MHz	4.6	4.9	-
Bandwidth at -40.0 dB	MHz	-	7.5	9.0
Lower Sidelobe	dB	42	45	-
Upper Sidelobe	dB	42	45	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	0	-	+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

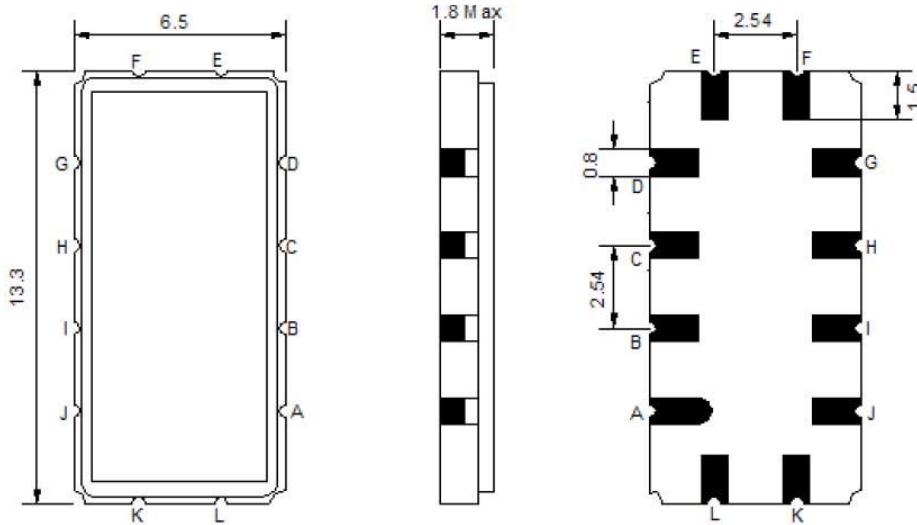


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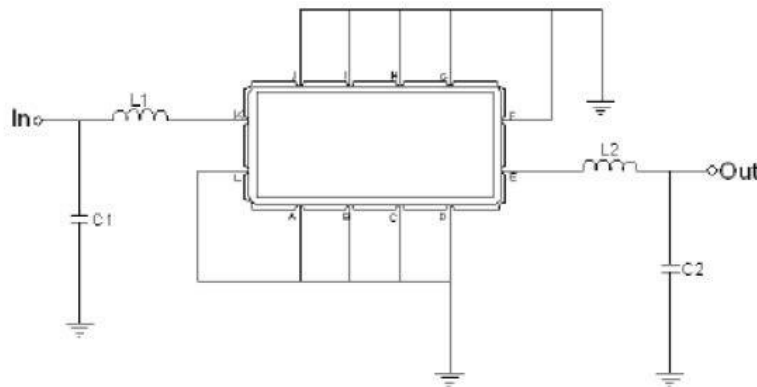


Outline Drawing:



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

Testing Environment:



Test Fixture & Values	
Input	L1=4.7+33 nH , C1=47 pF
Output	L2=39 nH , C2=36 pF
Source/Load Impedance	50 Ω



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Frequency Response:

