



120 MHz IF Saw Filter

Part Number: AM120S690



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	120.0	-
Insertion Loss at Fo	dB	-	8.0	9.0
Amplitude Ripple at Fo ± 0.5 MHz	dBp-p	-	0.5	1.5
Phase Linearity at Fo ± 0.5 MHz	Deg RMS	-	0.6	2.5
Group Delay Variation at Fo ± 0.5 MHz	nsec	-	25	100
Absolute Delay at Fo	usec	-	0.27	-
Bandwidth at -3.0 dB	MHz	-	4.0	-
Temperature Coefficient	ppm/°C	-	-23	-
Template on the amplitude, reference is minimum insertion loss				
at Fo ± 3.95 MHz	dB	15	18	-
in Fo – 10 MHz ± 0.63 MHz	dB	30	35	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-20	-	+85
Storage Temperature Range	°C	-40	-	+105
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	20
Source Impedance (Balanced) ₁	Ω	-	600	-
Load Impedance (Balanced) ₁	Ω	-	400	-
Package Size and Type	3.0 x 3.0 x 1.3 mm		M1	

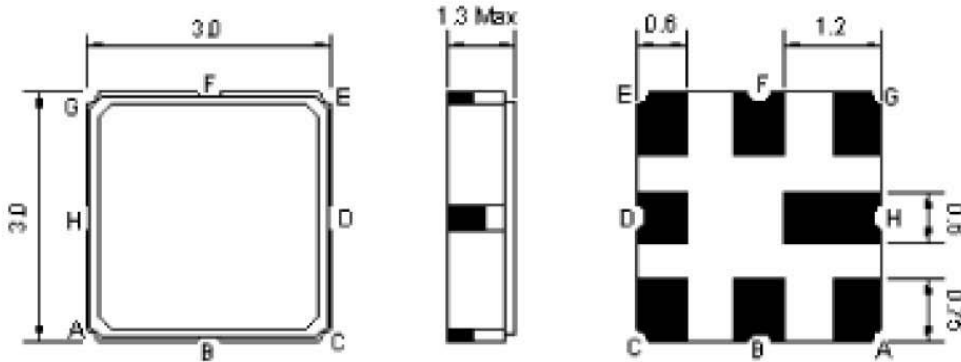


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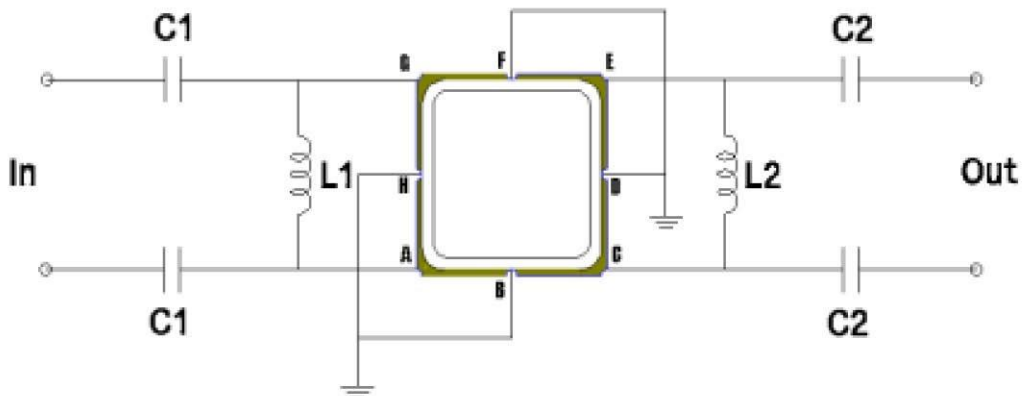


Outline Drawing:



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

Testing Environment:



Test Fixture & Values	
Input	L1=82+47 nH , C1=43 pF
Output	L2=180 nH, C2=15 pF
Source/Load Impedance	600/400 Ω



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Frequency Response:

