

1191.8 MHz SAW Filter

188884-101

Features

- Low Cost
- High Reliability

Specifications

Parameter	Unit	Min	Typ	Max
Centre Frequency, f_0	MHz		1191.8	
Pass band Insertion Loss, IL	dB			4.5
Pass band 1.75dB bandwidth ^[1]	MHz	55		
Lower 1.75dB Band Edge ^[1]	MHz	-	-	1164.3
Upper 1.75dB Band Edge ^[1]	MHz	1219.3	-	-
Amplitude Ripple ^[2]	dB p-p			1.2
Out-Of-Band Attenuation				
10 – 1040MHz		40	48	
1040 – 1126MHz		30	35	
1256 – 1345MHz		38	43	
1345 – 1650MHz	dB	31	36	
1650 – 2100MHz		35	40	
2100 – 3000MHz		35	40	
Group Delay Ripple	ns p-p		15	27
Operating Temperature Range	°C	-40		85
Input Impedance (single ended)	Ω	50		
Output Impedance (single ended)	Ω	50		
Impedance Matching		See matching circuit detail		
Package	mm	SMT 3.8x3.8x1.3		

Notes:

[1] References to the insertion loss at center frequency.

[2] Excluding the rolling off at pass band edge.

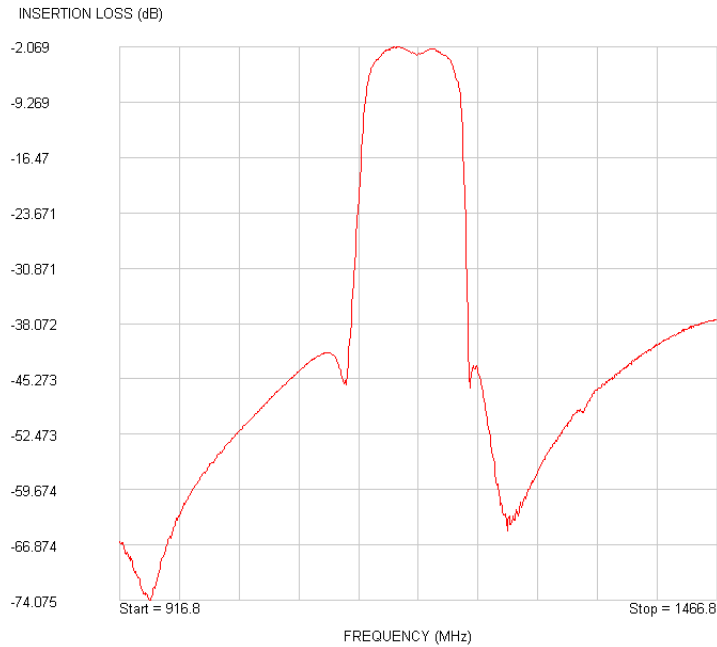
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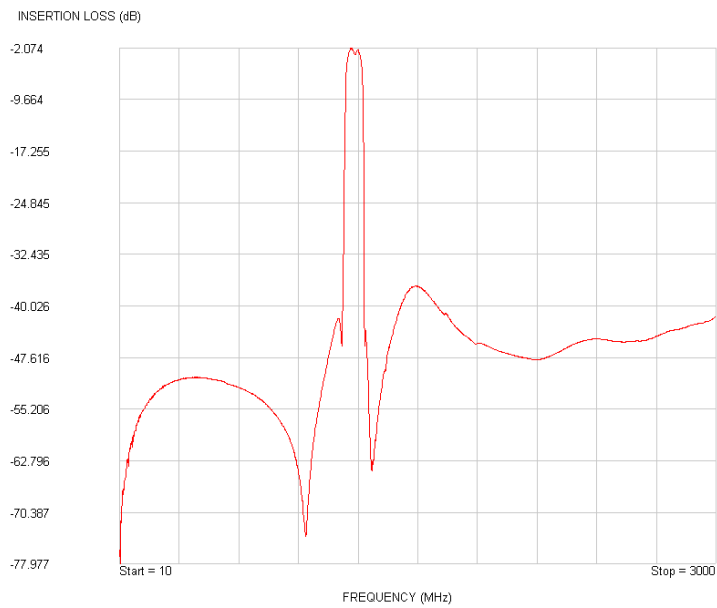
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SAW PRODUCTS

Typical Measured Performance Data

Narrow Band Performance



Wide Band Performance

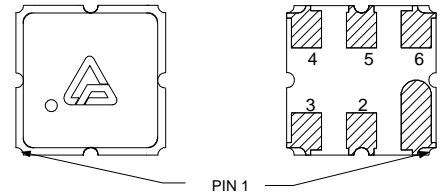
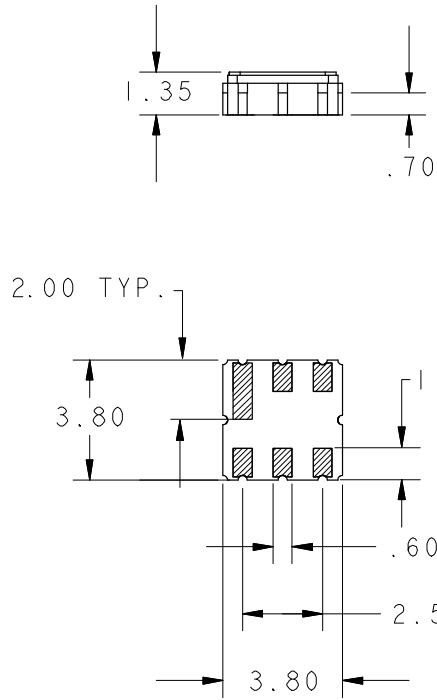


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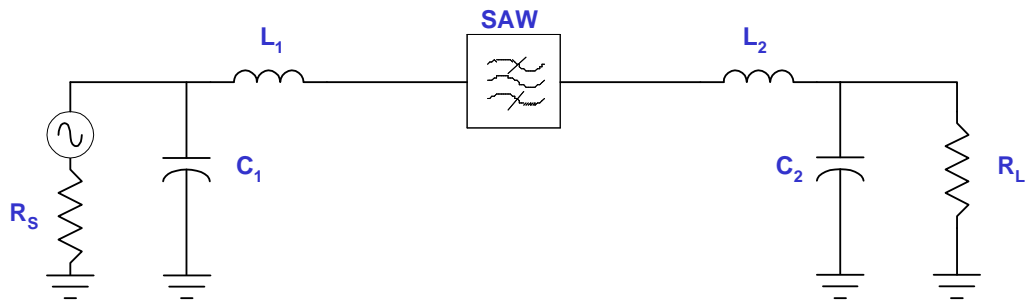
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Package Outline



Pin	Function
2	RF Input
5	RF Output
1,3,4,6	Ground

Matching Circuit



Single Ended Input	Single Ended Output
$R_S = 50 \Omega$	$R_L = 50 \Omega$
$L_1 = 3.9nH$	$L_2 = 3.9nH$
$C_1 = 3.3pF$	$C_2 = 3.3pF$

Note: Matching circuit is for COM DEV evaluation PCB. Matching circuit component value may be different on customer PCB.