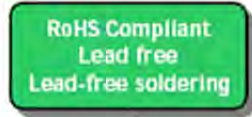


SAW Filter 210.0MHz
Part No: MP08342

Model: TB1177A
Rev No: 1

A. MAXIMUM RATING:

1. Operating temperature range: -10°C to 70°C
2. Storage temperature range: -40°C to 85°C
3. Input Power Level : 10 dBm
4. Maximum DC Voltage : 10V



Electrostatic Sensitive Device

B. CHARACTERISTICS:

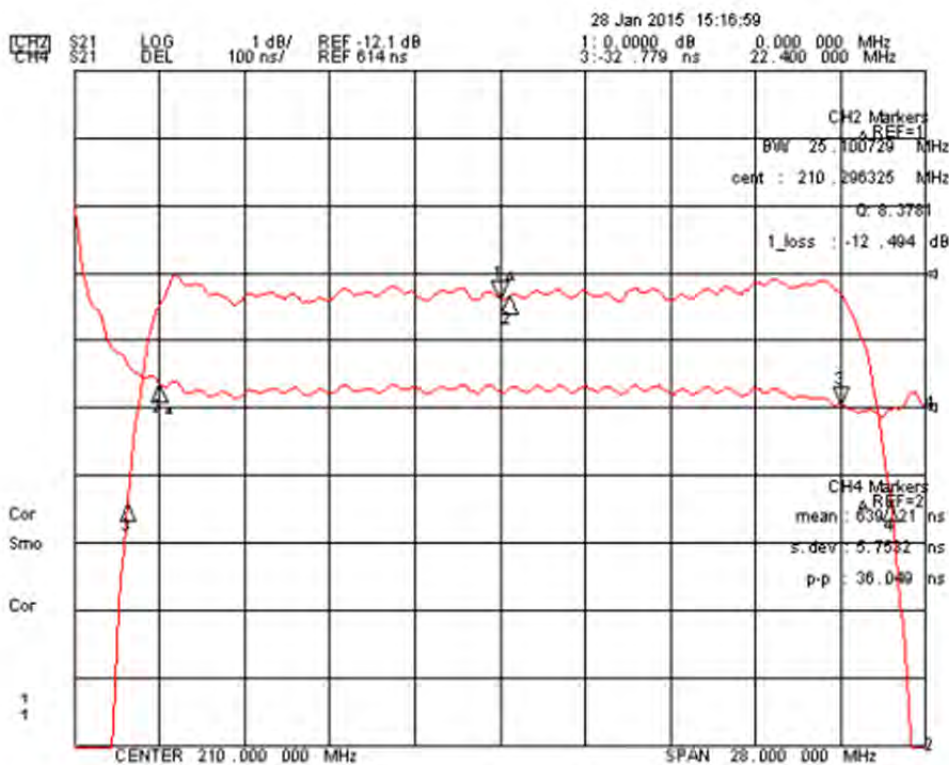
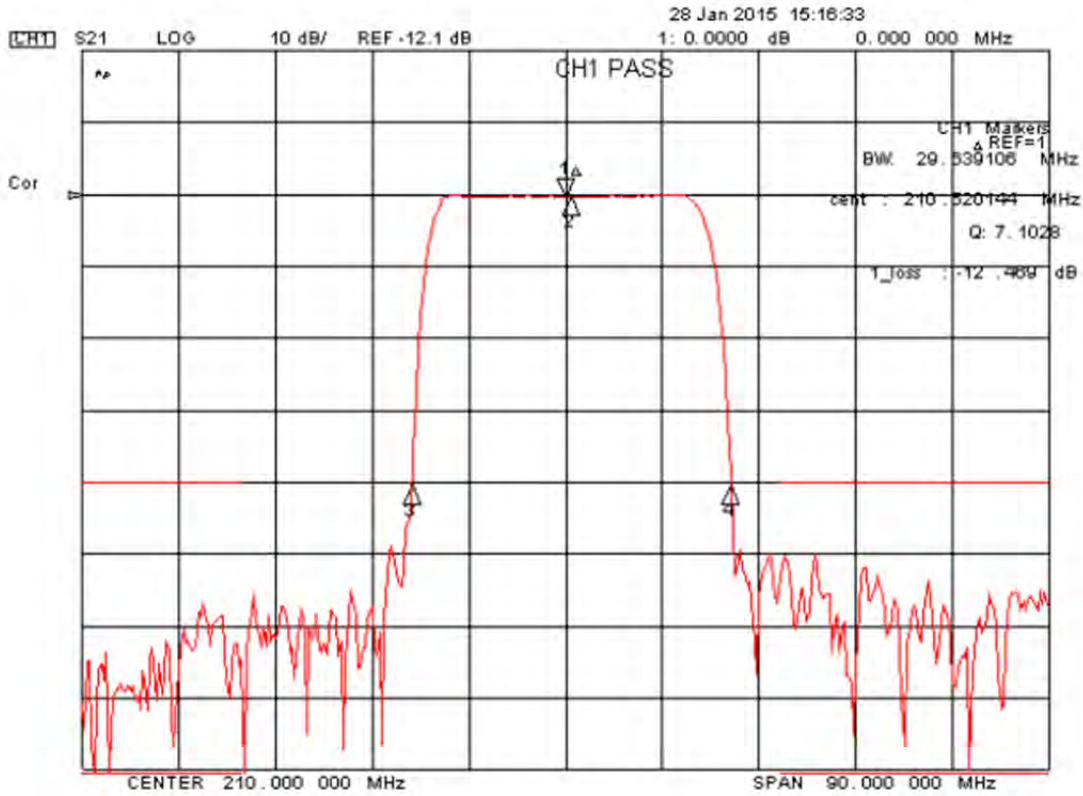
Ambient Temperature: 25°C

Item	Unit	Min.	Type.	Max.
Center frequency, Fc	MHz	-	210	-
Insertion Loss, IL	dB	-	12.5	14.5
1dB Bandwidth	MHz	23.3	23.85	-
3dB Bandwidth	MHz	-	25.1	-
40dB Bandwidth	MHz	-	30.0	31.0
Passband Ripple Fc+/- 10.5MHz	dB	-	0.5	1.0
Absolute group Delay	us	-	0.64	-
Group Delay variation Fc+/- 10.5MHz	ns	-	40	80
Attenuation (Reference level from minimum Insertion loss)				
10MHz~180MHz	dB	40	45	-
230MHz~300MHz	dB	40	45	-
Temperature Coefficient	ppm/°C	-	-86	-
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-

SAW Filter 210.0MHz
Part No: MP08342

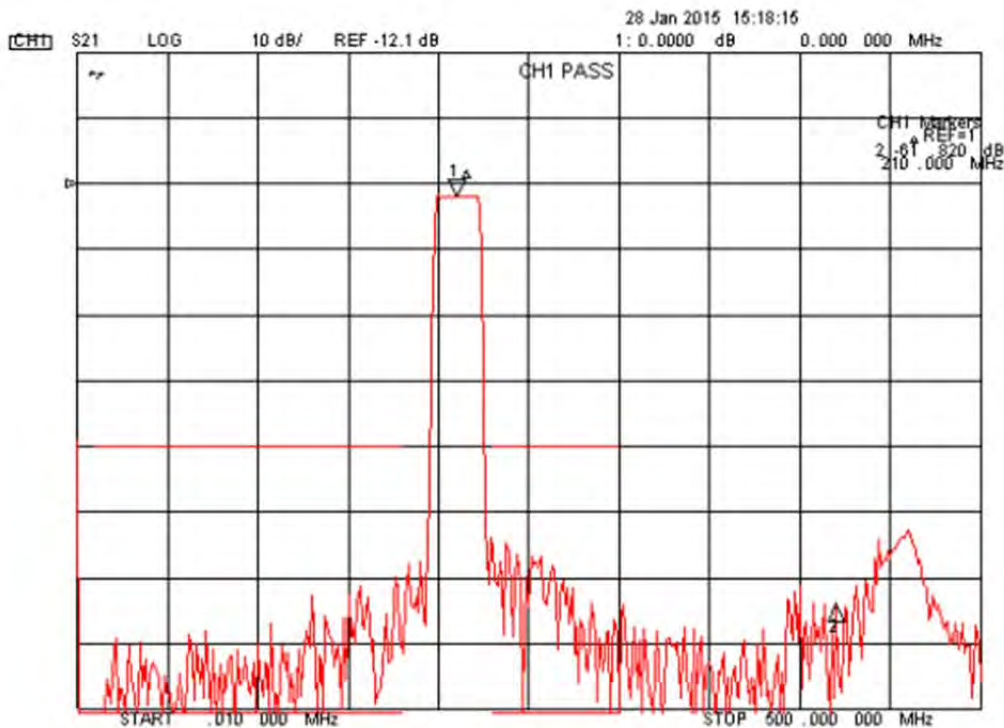
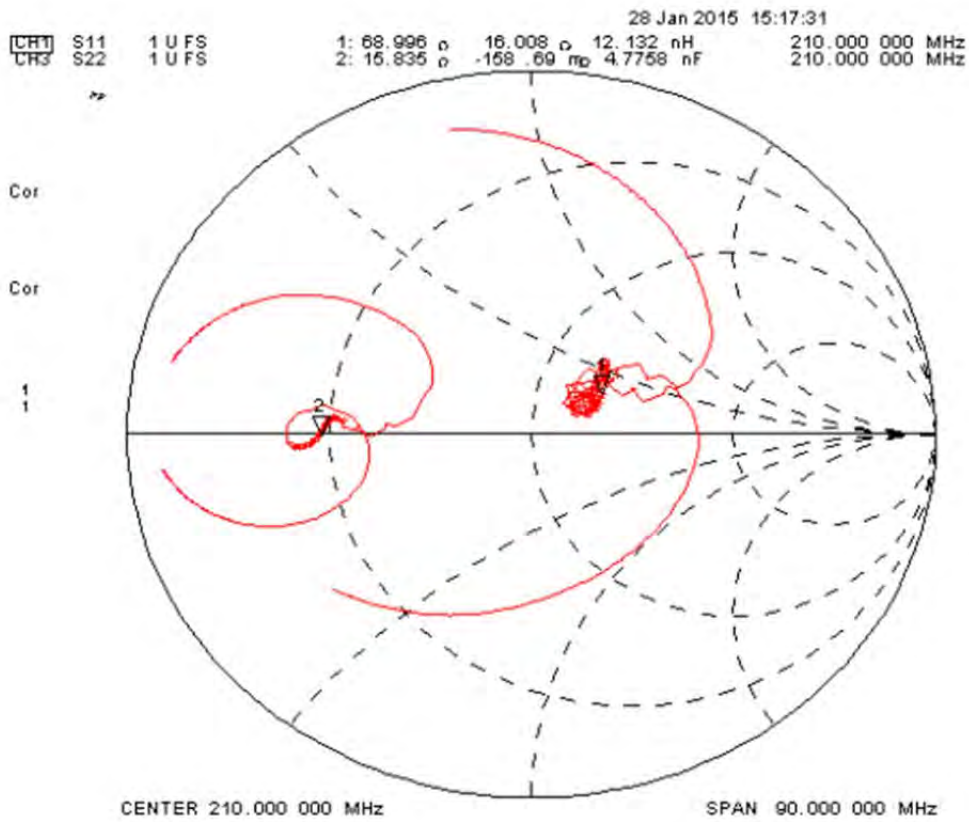
Model: TB1177A
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C. FREQUENCY CHARACTERISTICS:



SAW Filter 210.0MHz
Part No: MP08342

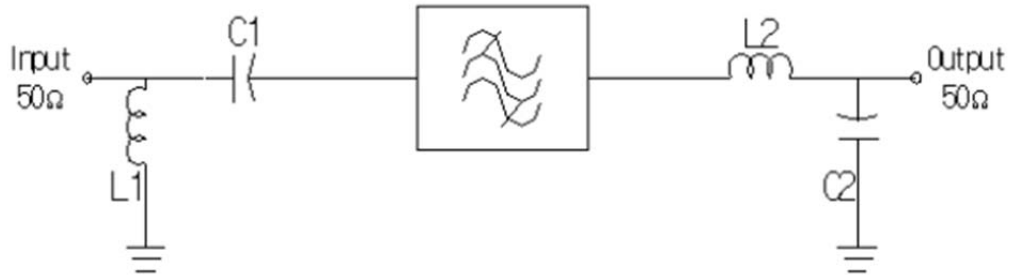
Model: TB1177A
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SAW Filter 210.0MHz
Part No: MP08342

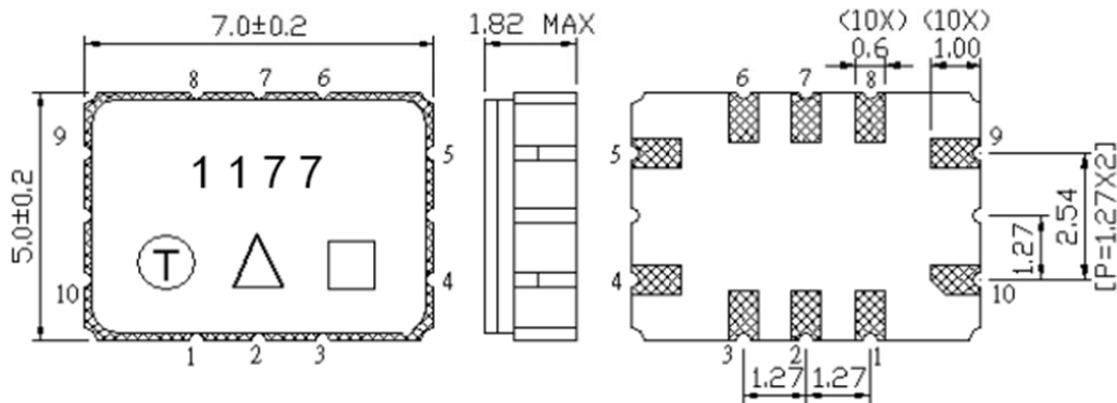
Model: TB1177A
Rev No: 1

D. MATCHING CIRCUIT:



L1 = 15nH, C1 = 56pF, L2 = 10nH, C2 = 75pF

E. OUTLINE DRAWING:

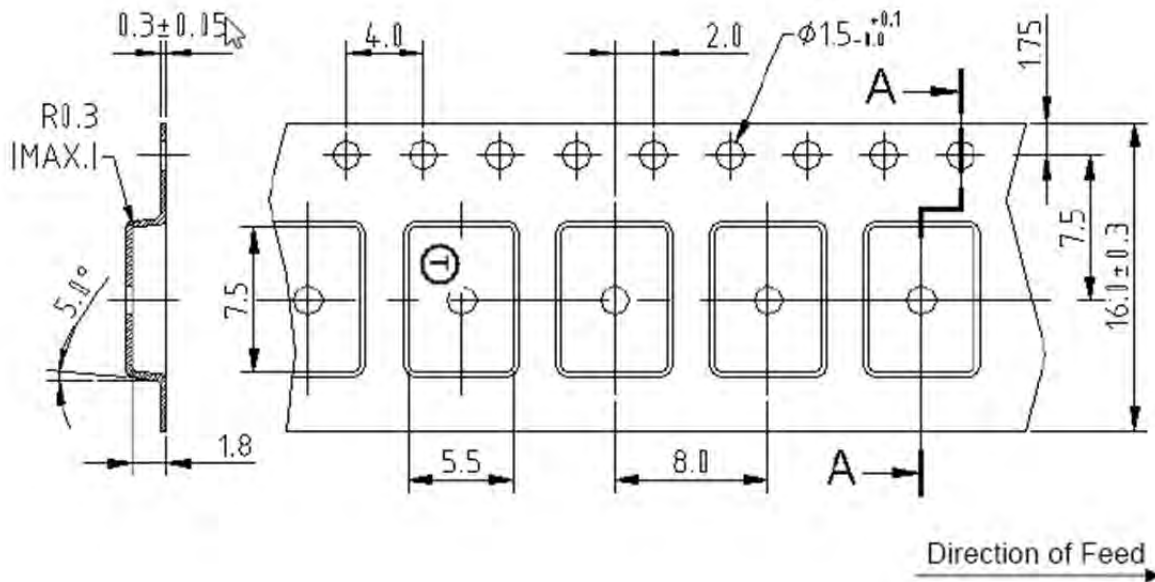


- Pin 9 –RF Input
- Pin 10 –RF Input Return
- Pin 4 –RF Output
- Pin 5 –RF Output Return
- Pin 1, 2, 3, 6, 7, 8 - Ground

SAW Filter 210.0MHz
Part No: MP08342

Model: TB1177A
Rev No: 1

2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 245~260°C peak (min. 10sec).
4. Time : 2 times.

