

SAW Filter 1090.0MHz

Model: TA2540A

Part No: MP09469

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 20dBm
2. DC Voltage: 6V
3. Operating Temperature: -20°C to +60°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitive Level (MSL): Level 1

B. ELECTRICAL CHARACTERISTICS:

1. Terminating source impedance (single): $Z_S = 50\Omega$
2. Terminating load impedance (single): $Z_L = 50\Omega$

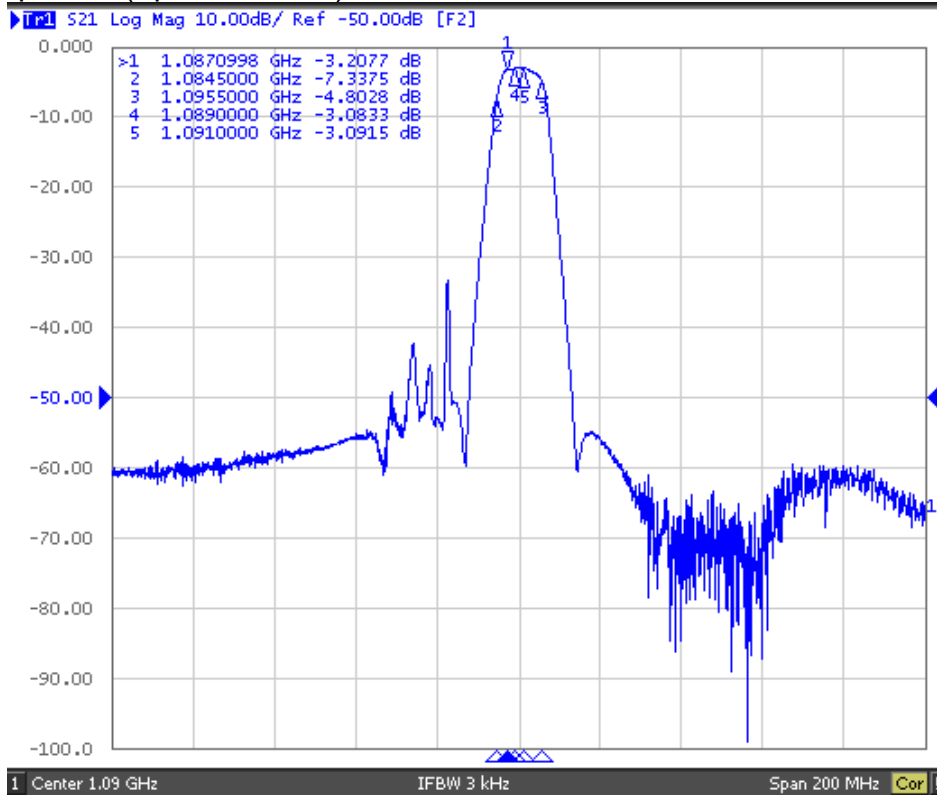
Item	Unit	Min	Typ.	Max
Center Frequency Fc	MHz	-	1090.0	-
Insertion Loss (1089 ~ 1091MHz) IL	dB		3.0	4.0
VSWR (1089 ~ 1091MHz)			1.5	2.0
Amplitude ripple				
1089 ~ 1091MHz)	dB		0.5	1.2
Attenuation				
1084.5 ~ 1095.5MHz	dB	4	5	23 ~ 27°C
1080 ~ 1101MHz	dB	25	30	23 ~ 27°C
1075 ~ 1105MHz	dB	35	40	23 ~ 27°C
1065 ~ 1115MHz	dB	45	50	
1050 ~ 1130MHz	dB	50	55	
Temperature coefficient	ppm/°C	-36		
Package size	mm	SMD 3 x 3		

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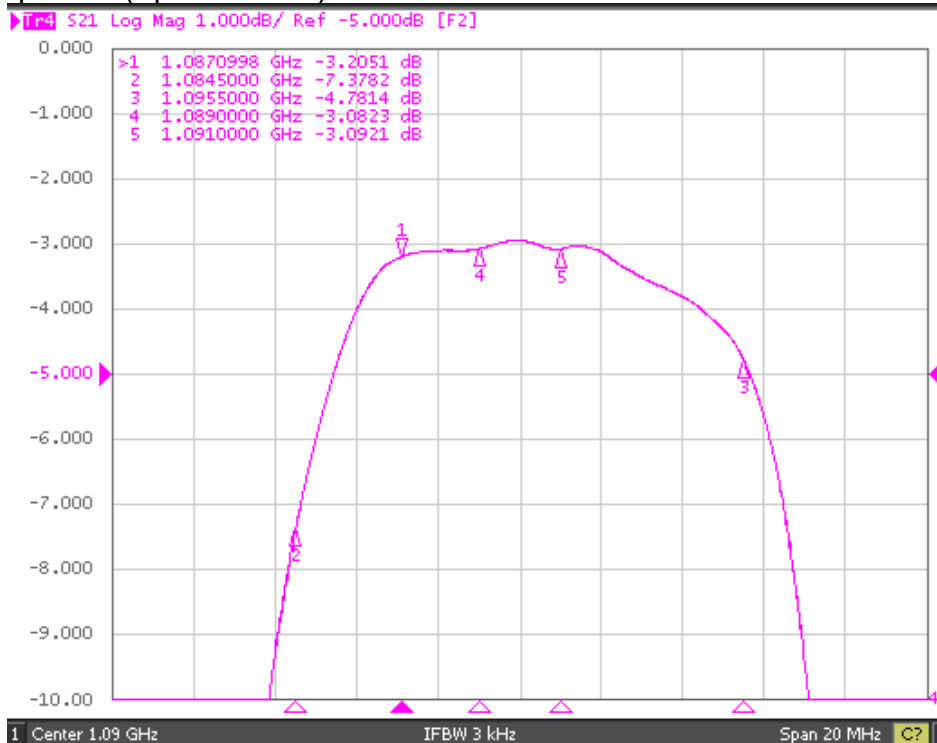
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C. FREQUENCY CHARACTERISTICS:

1. S21 response: (Span 200MHz)



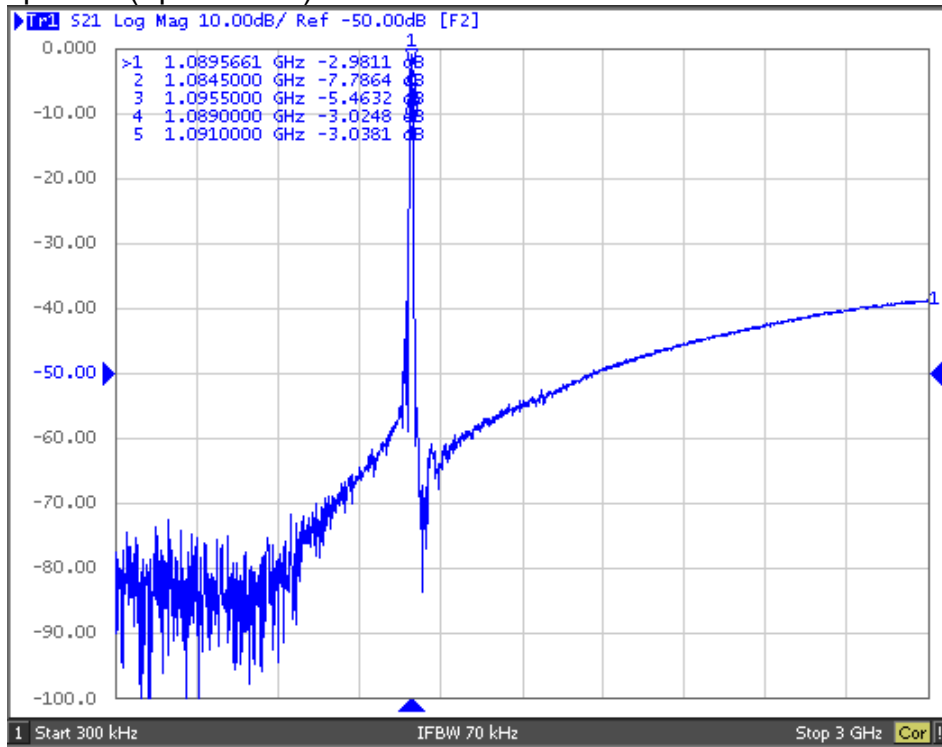
2. S21 response: (Span 20MHz)



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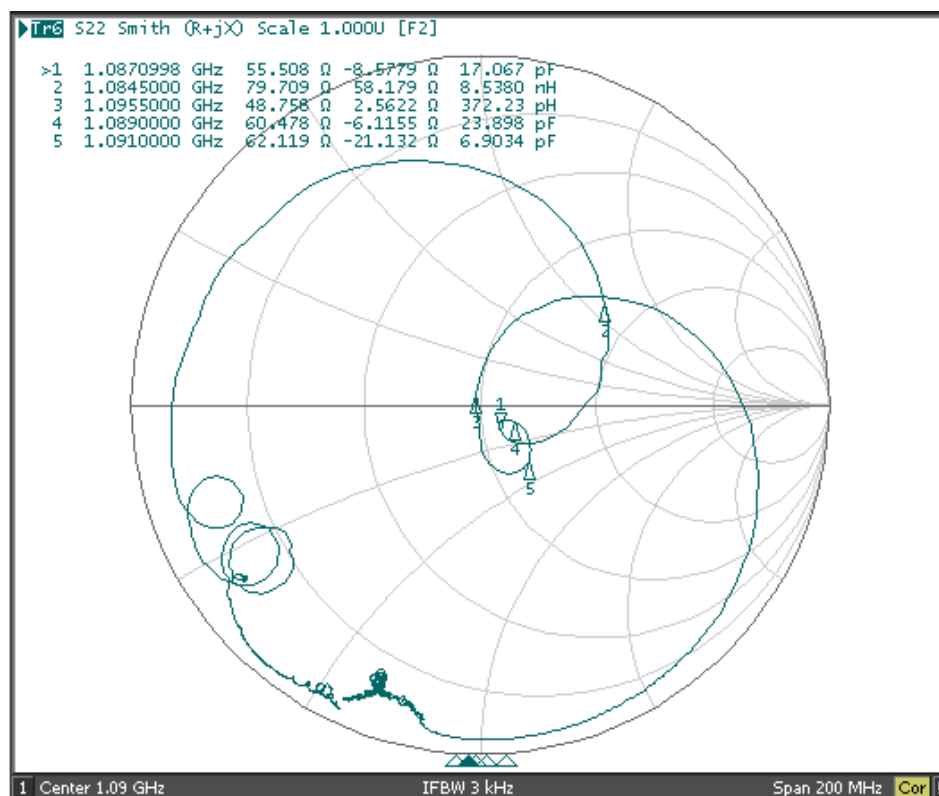
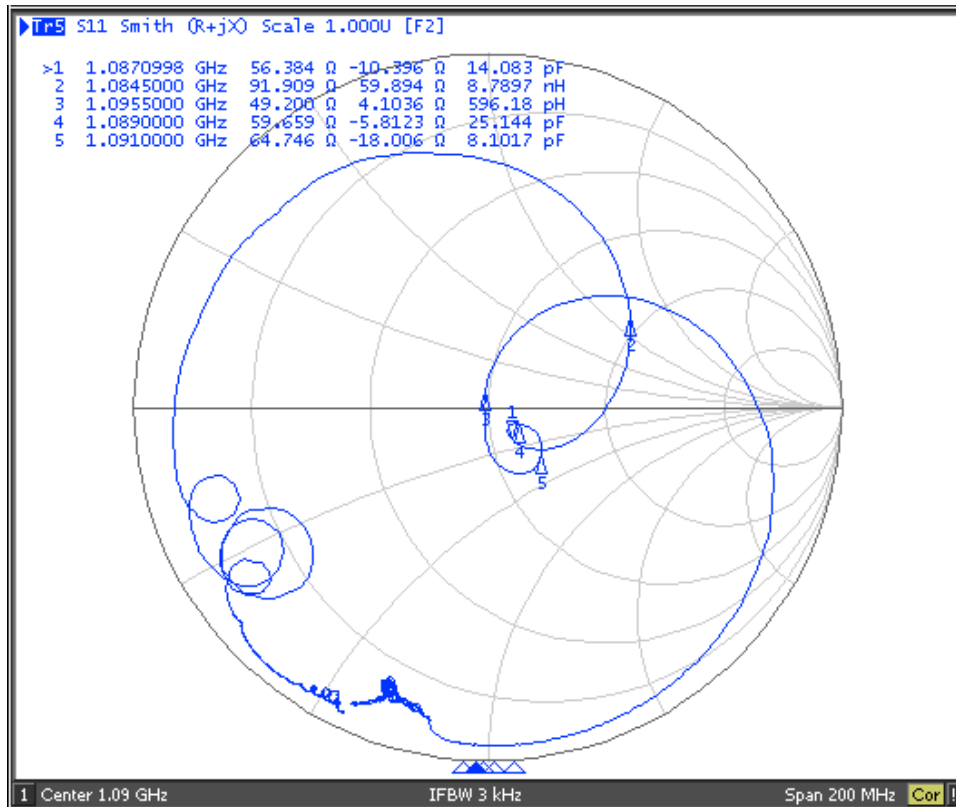
3. S21 response: (Span 3GHz)



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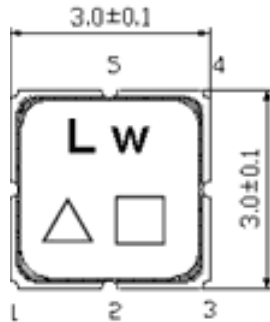
4. S11/S22: (Span 200MHz)



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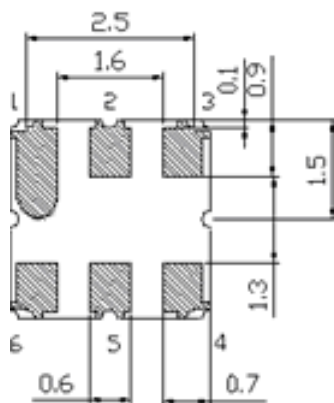
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D. OUTLINE DRAWING:



Unit : mm

Not Specified Tolerance : +/-0.15 mm



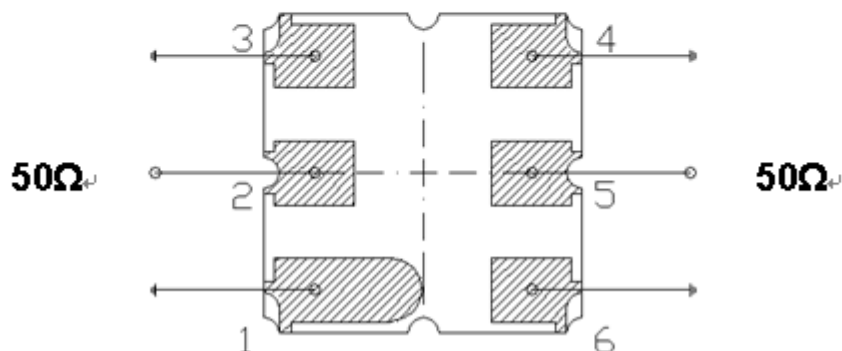
Pin No.	Symbol	Function
1	GND	Ground
2	IN	Input
3	GND	Ground
4	GND	Ground
5	OUT	Output
6	GND	Ground

E. TEST CIRCUIT:

(2): Unbalance Port

(5): Unbalance Port

Others: Ground

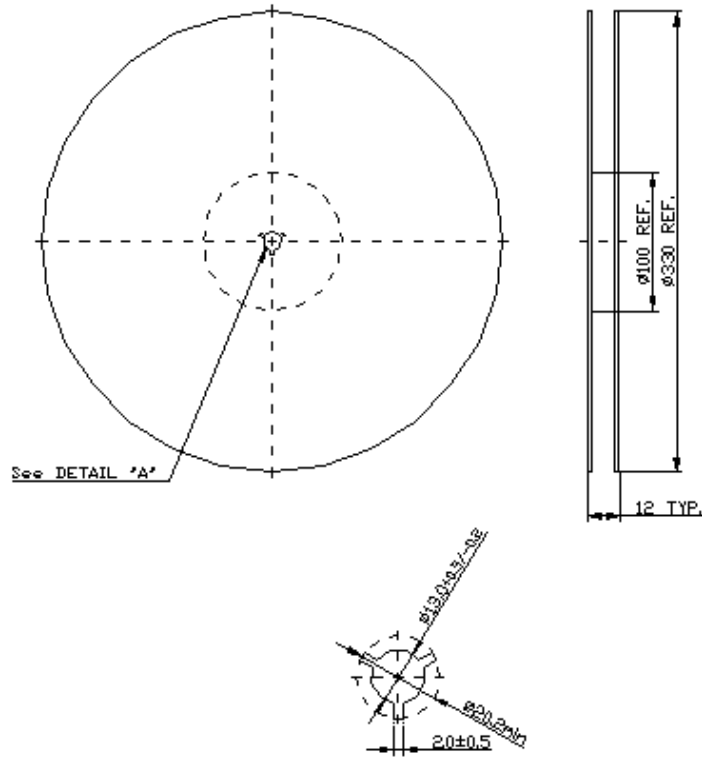


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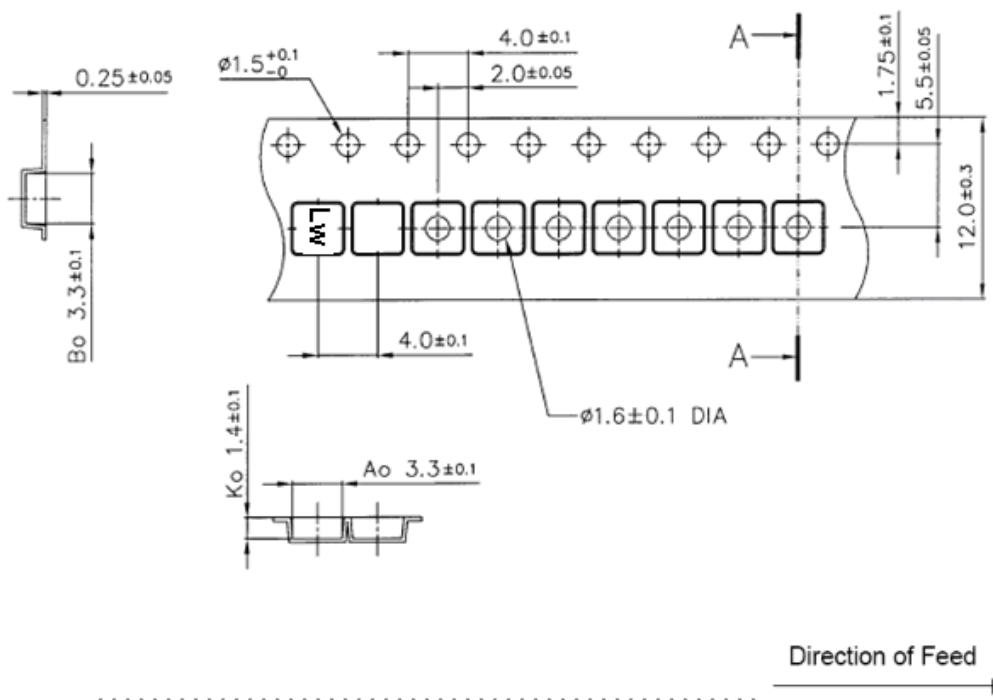
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F. PACKING:

1. Reel Dimension



2. TAPE DIMENSION.



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G. 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 260°C +0/-5°C peak (20 ~ 40 sec).
4. Time: 2 times.

