

SAW Filter 868.30MHz
Part No: MP06989

Model: TA1852A
Rev No: 2

A. MAXIMUM RATING:

Electrostatic Sensitive Device

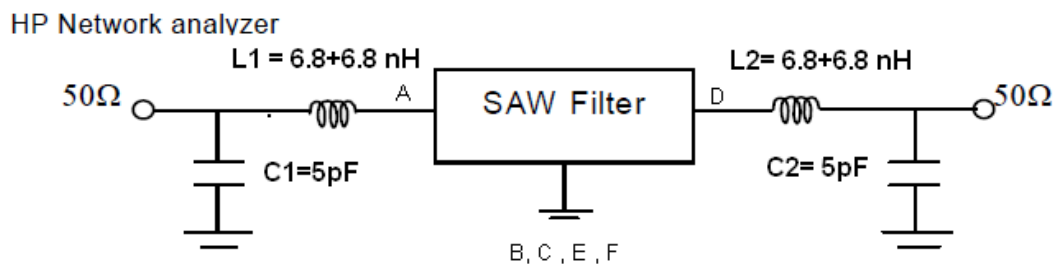
1. Input Power Level: 14dBm
2. DC voltage: 0V
3. Operating Temperature: -40°C to +125°C
4. Storage Temperature: -40°C to +125°C

B. ELECTRICAL CHARACTERISTICS:

Ambient Temperature: 25°C

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	868.3	-
Insertion Loss	dB	-	3.0	3.8
3dB Bandwidth (from Fc)	MHz	±0.3	1.6	-
Stop Band Attenuation: (from minimum loss point)				
10 ~ 600MHz	dB	50	64	-
600 ~ 850MHz	dB	33	38	-
850 ~ 860MHz	dB	10	36	-
860 ~ 865.5MHz	dB	20	25	-
871 ~ 878MHz	dB	10	23	-
878 ~ 1000MHz	dB	21	26	-
1000 ~ 1300MHz	dB	40	49	-
1300 ~ 2500MHz	dB	30	65	-
Impedance at Fc: $Z_{IN} = R_{IN} // C_{IN}$	Ω	162.2Ω // 3.3pF		
$Z_{OUT} = R_{OUT} // C_{OUT}$	Ω	162.2Ω // 3.3pF		

C. MEASUREMENT CIRCUIT:

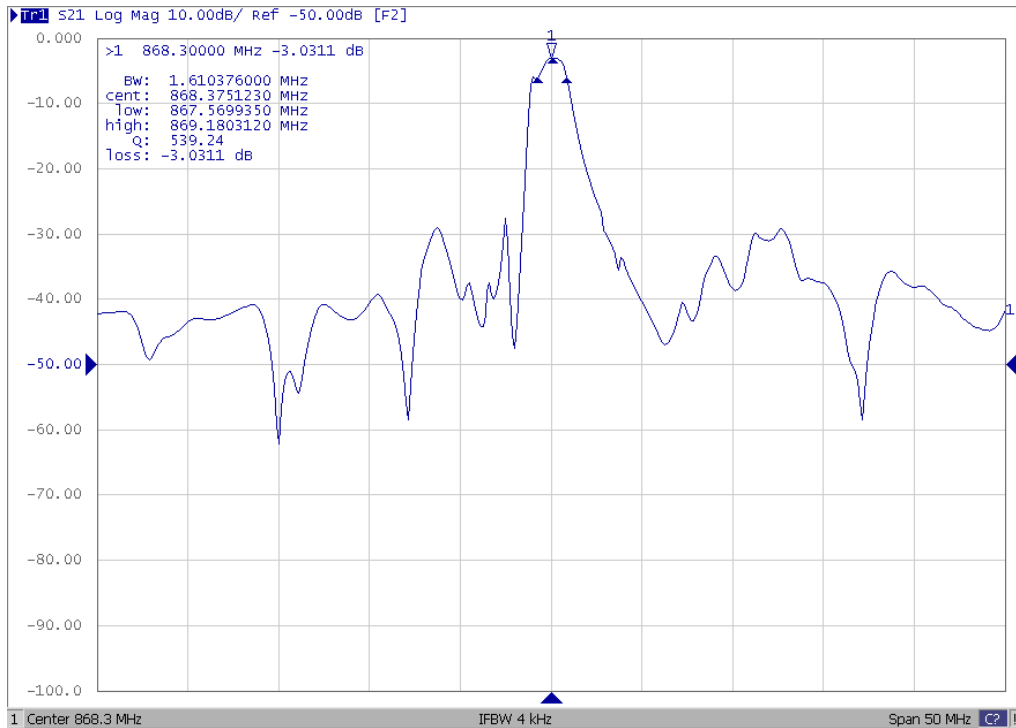


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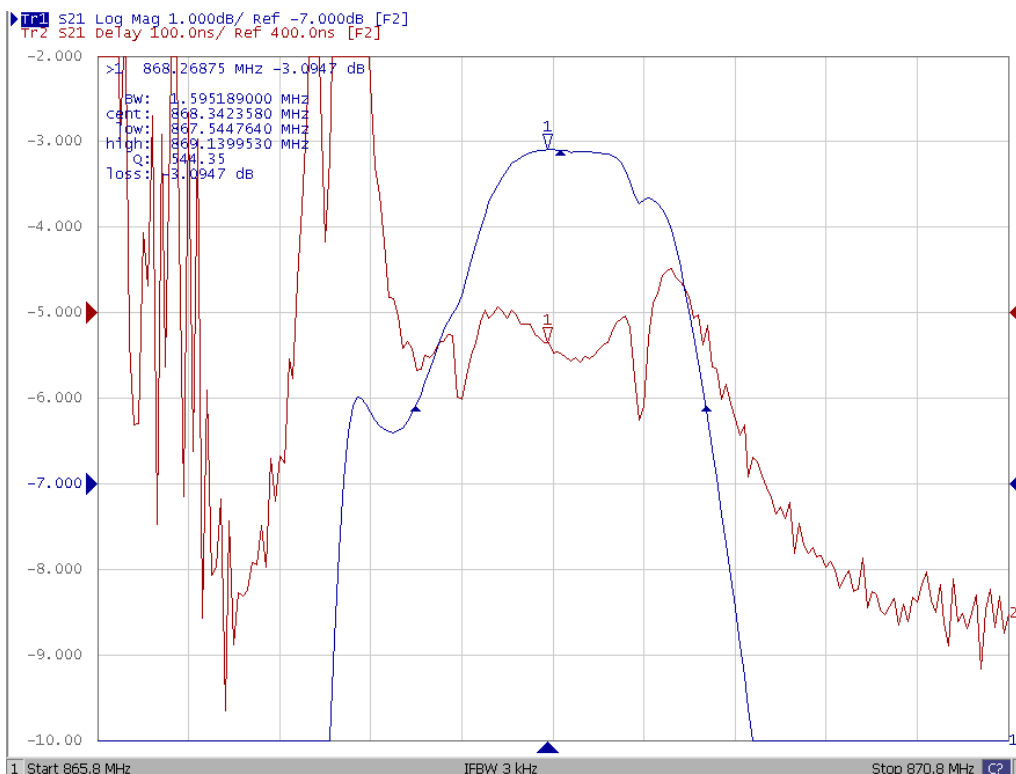
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D. FREQUENCY CHARACTERISTICS:

1. Wide band Response: (span 50MHz):



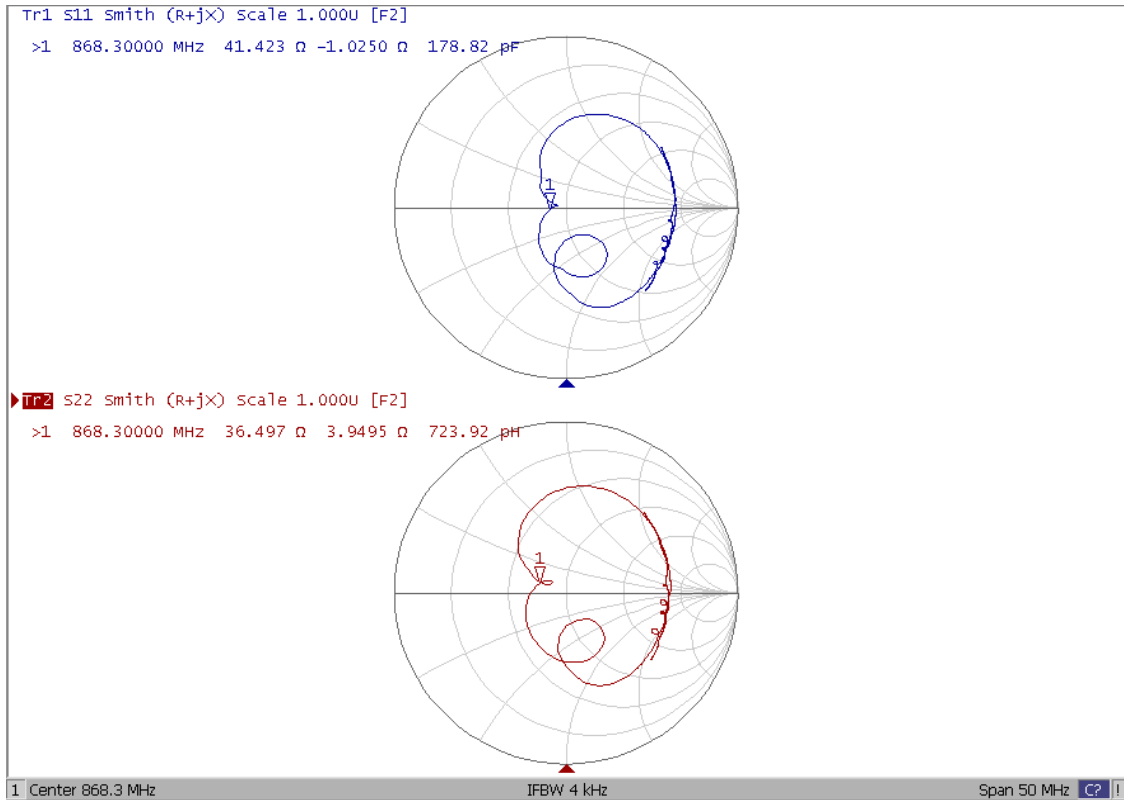
2. Pass band Response and Group Time Delay response:



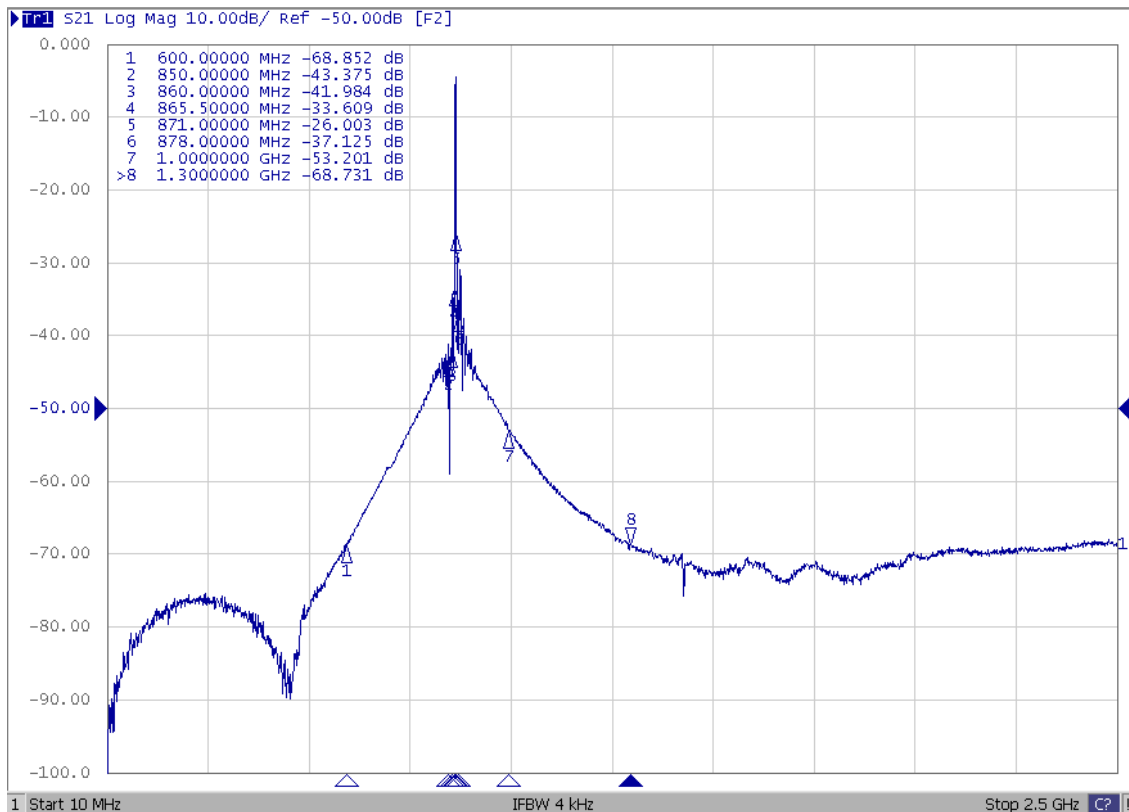
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3. Smith Chart:



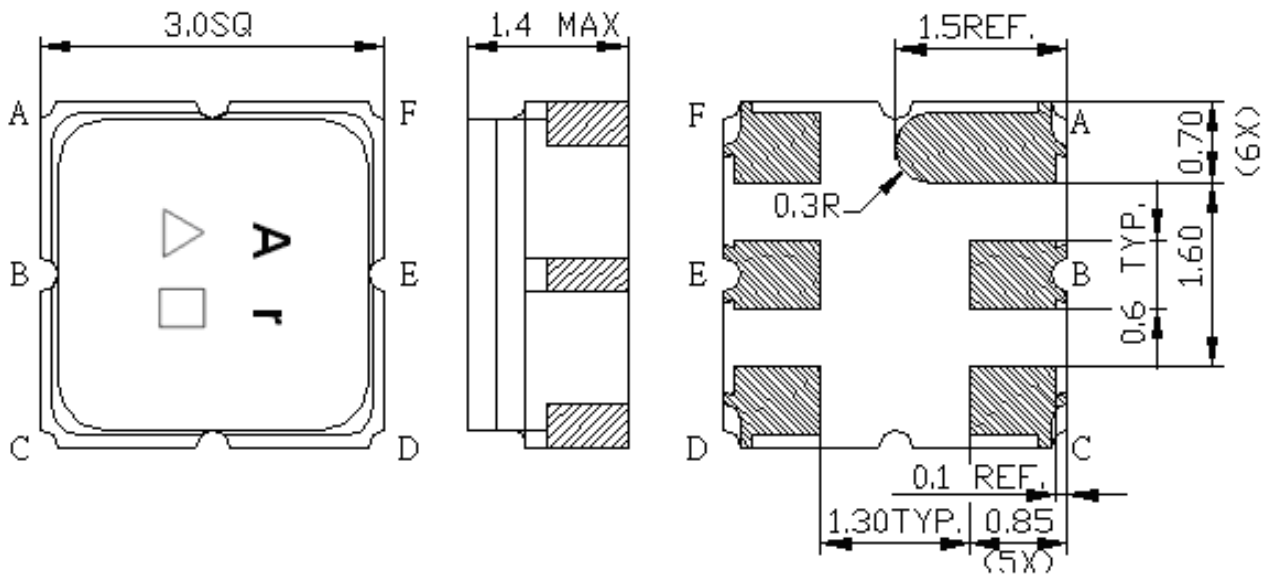
4. Wide Band:



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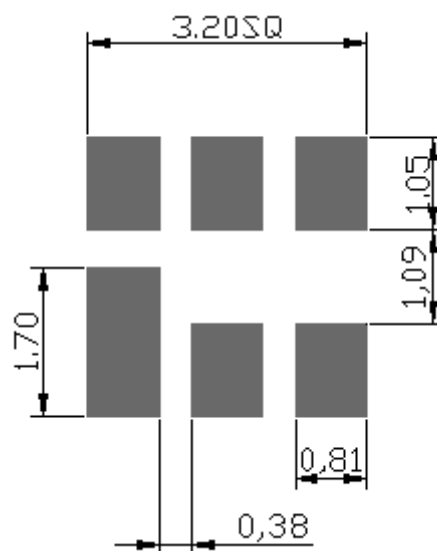
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E. OUTLINE DRAWING:



A: Input
 D: Output
 B, C, E, F: Ground
 Unit: mm

F. PCB FOOTPRINT:

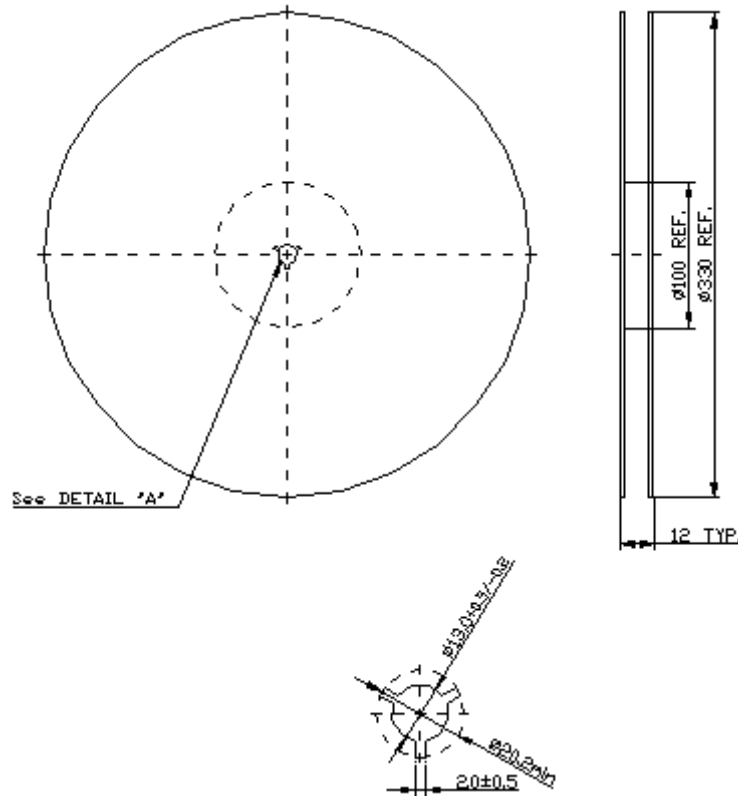


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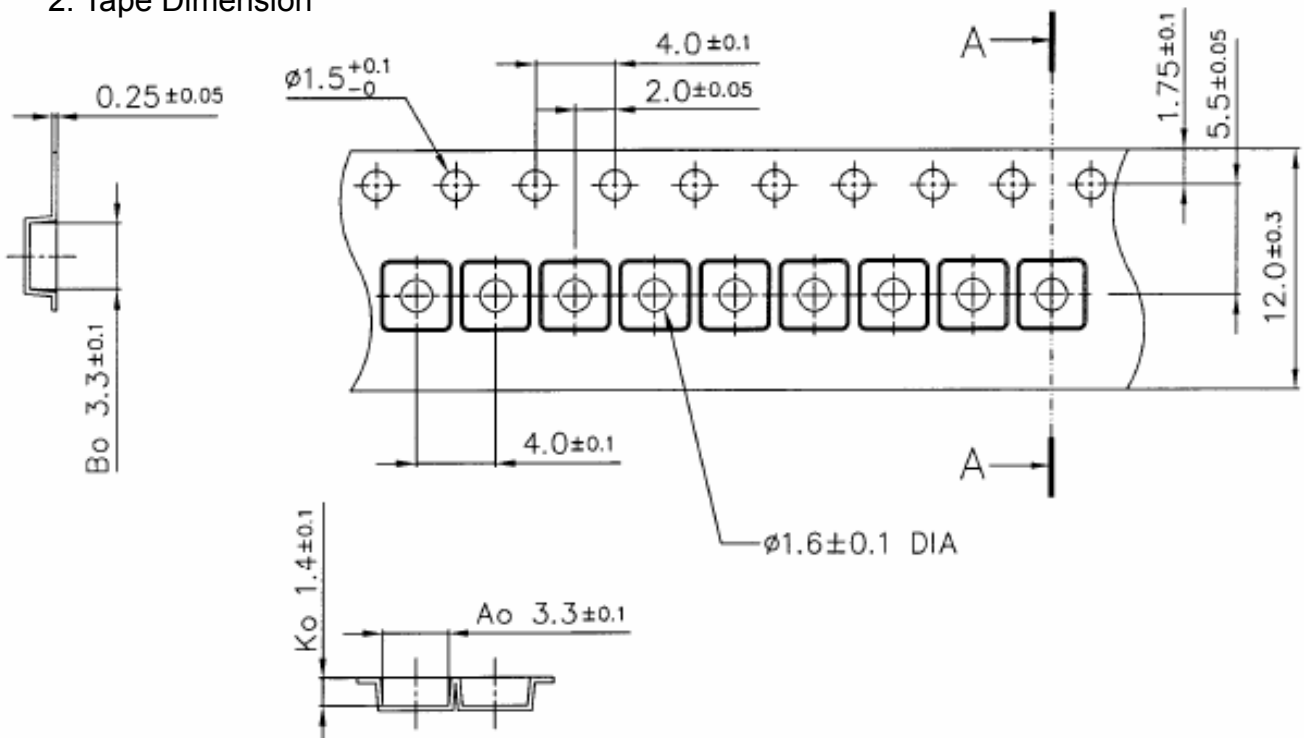
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G. PACKING:

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)



2. Tape Dimension



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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. 10 sec).
4. Time: 2 times.

