

SAW Filter 869.0MHz
Part No: MP05310

Model: TA1404A
Rev No: 6

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 13dBm
2. DC Voltage: 6V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

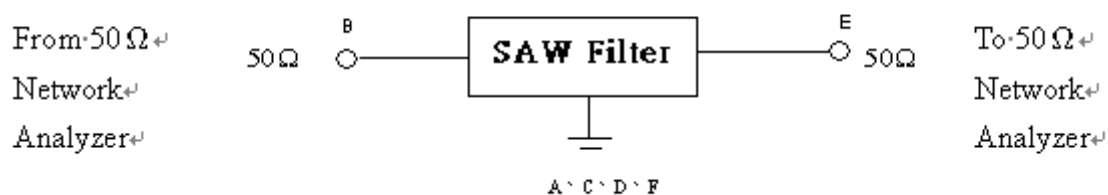
B. ELECTRICAL CHARACTERISTICS:

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 F_c	MHz	-	869	-
Insertion Loss (868 ~ 870MHz) IL	dB		2.3	3.0max
Amplitude ripple(868 ~ 870MHz)	dB		0.3	0.6max
Attenuation				
100 ~ 300MHz	dB	45	50	
300 ~ 845MHz	dB	40	45	
845 ~ 853MHz	dB	38	43	
879 ~ 883MHz	dB	15	30	
883 ~ 915MHz	dB	40	45	
915 ~ 945MHz	dB	45	50	
945 ~ 1200MHz	dB	45	55	
1200 ~ 2000MHz	dB	35	40	
Package size	mm	SMD 3x3		

C. TEST CIRCUIT:

Network analyzer

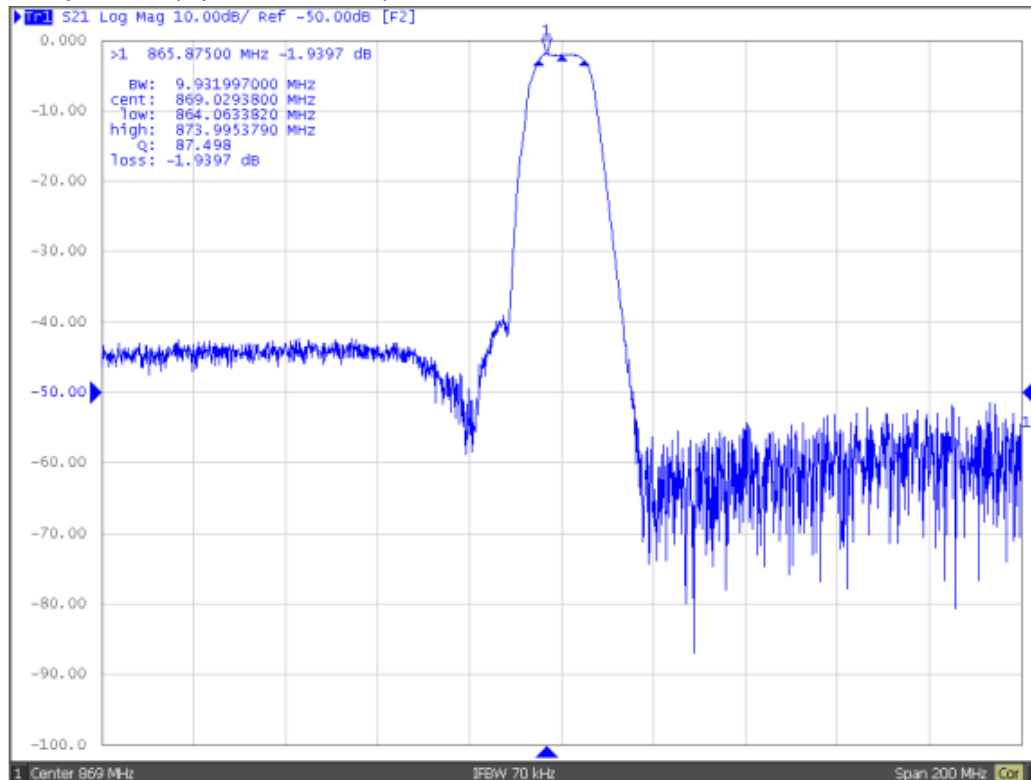


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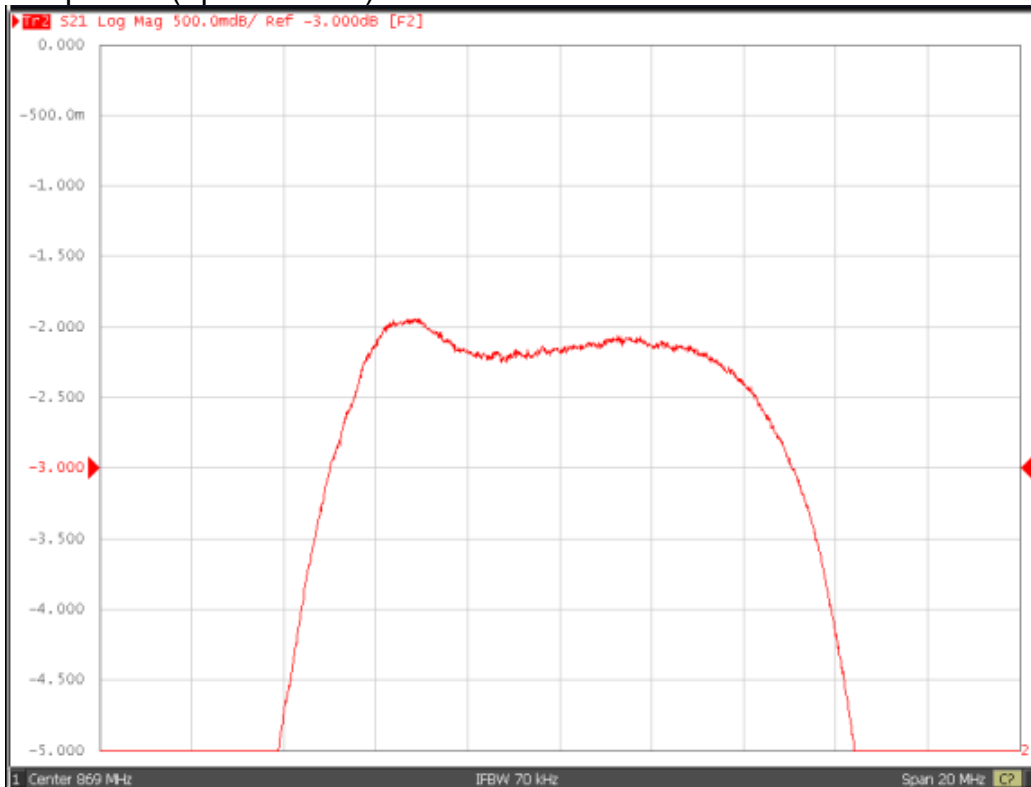
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D. FREQUENCY CHARACTERISTICS:

1. S21 response: (Span 200MHz)



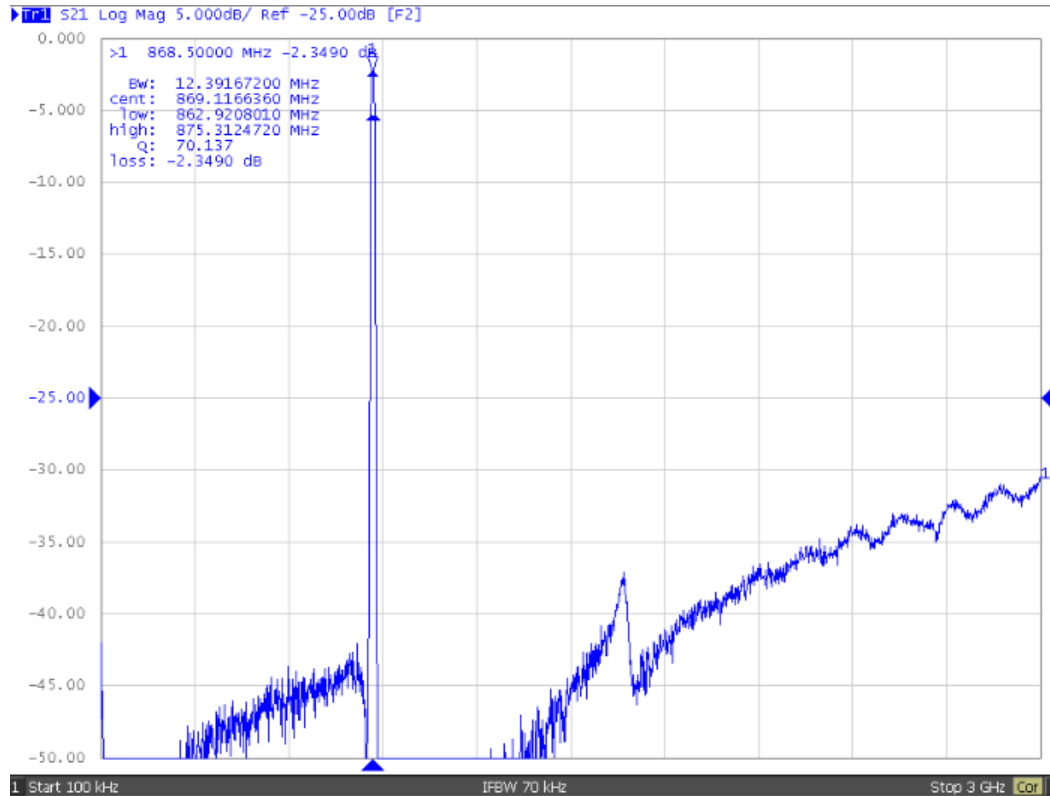
2. S21 response: (Span 20MHz)



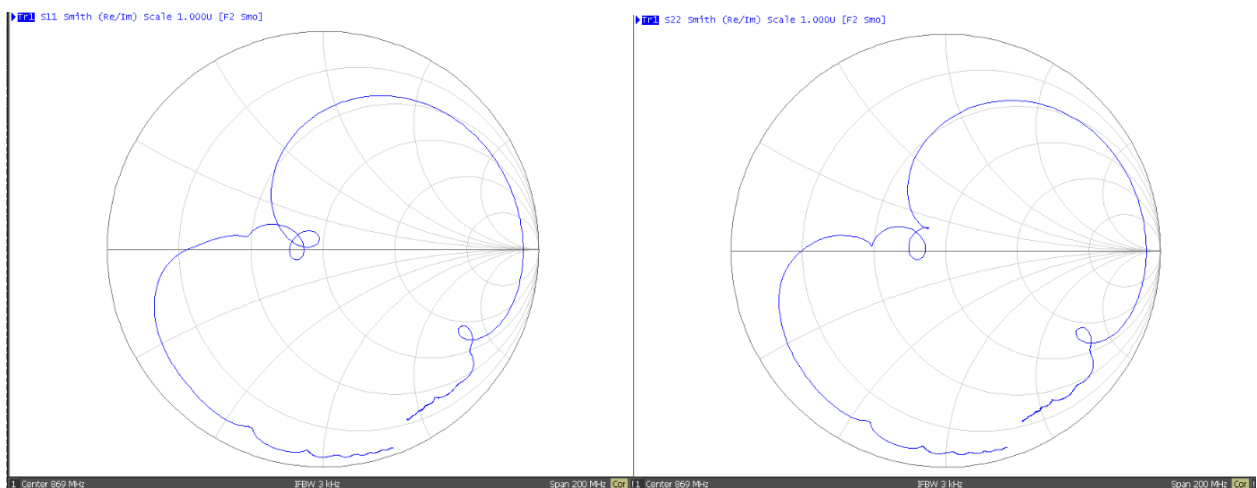
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3. S21 response: (100kHz ~ 3GHz)



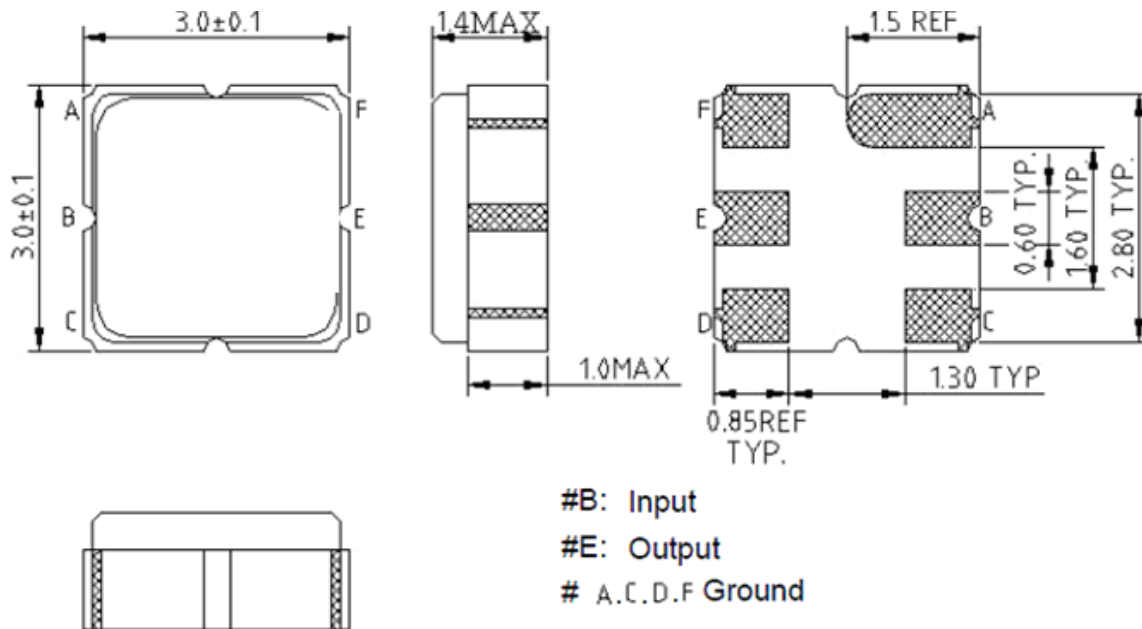
4. S11/S22 response:



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E. OUTLINE DRAWING:



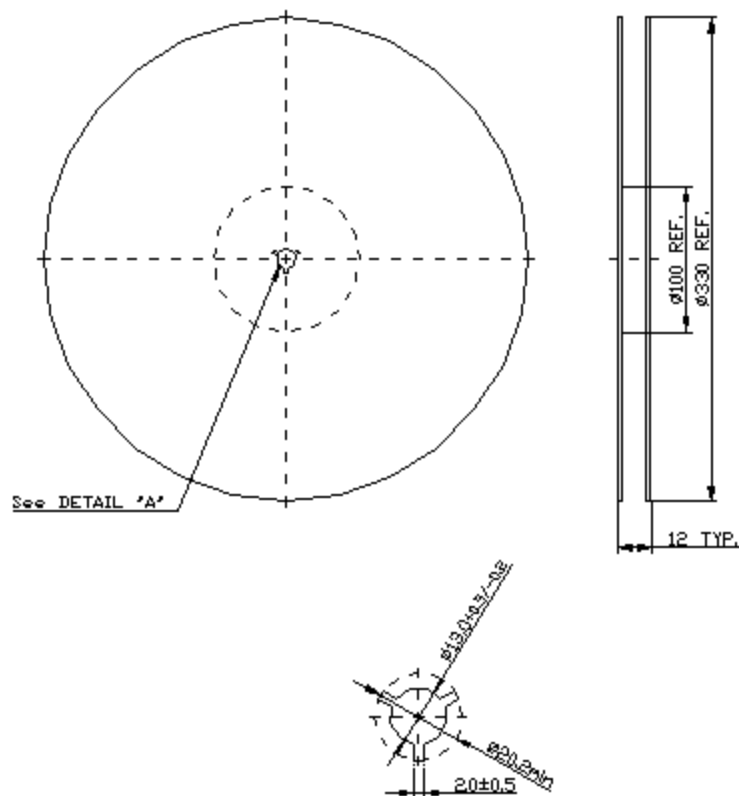
Unit: mm

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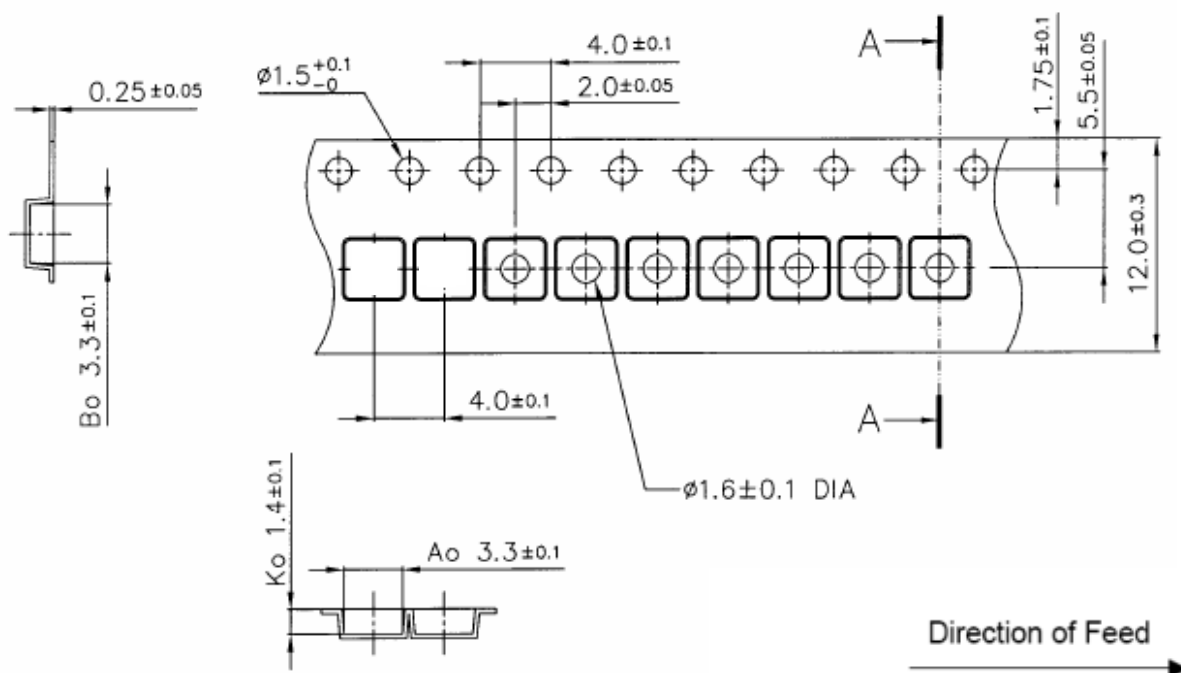
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F. PACKING:

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



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 245 ~ 260°C peak (min. 10 sec).
4. Time: 2 times.

