

SAW Filter 869.0MHz

Model: TA2021A

Part No: MP07761

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 13dBm
2. DC Voltage: 6V
3. Operating Temperature: -40°C to +80°C
4. Storage Temperature: -40°C to +80°C

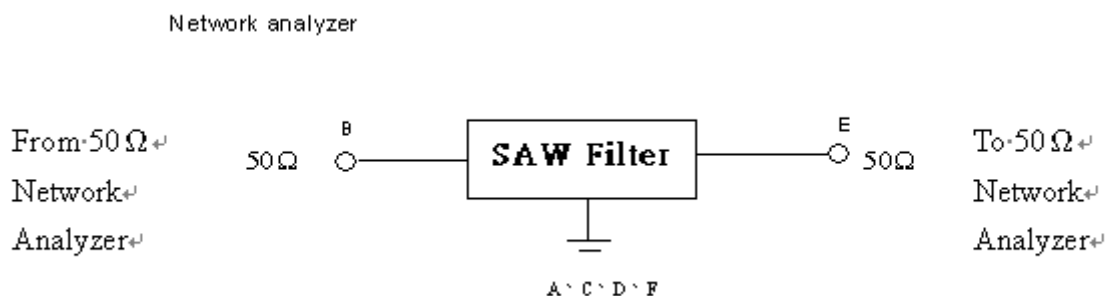
B. ELECTRICAL CHARACTERISTICS:

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 (868~870 MHz) IL	dB		3.0	3.5
VSWR (868~870 MHz)			1.5	2.0
Amplitude ripple (868~870 MHz)	dB		0.5	1.2
Attenuation				
50 ~ 791 MHz	dB	45	50	
791 ~ 835 MHz	dB	45	50	
835 ~ 848 MHz	dB	43	48	
848 ~ 862 MHz	dB	151	25	
880 ~ 883 MHz	dB	35	45	
883 ~ 1000 MHz	dB	49	54	
Package size	mm	SMD 3x3		

25dB at 25°C; 15dB for -40°C to +60°C

C. TEST CIRCUIT:

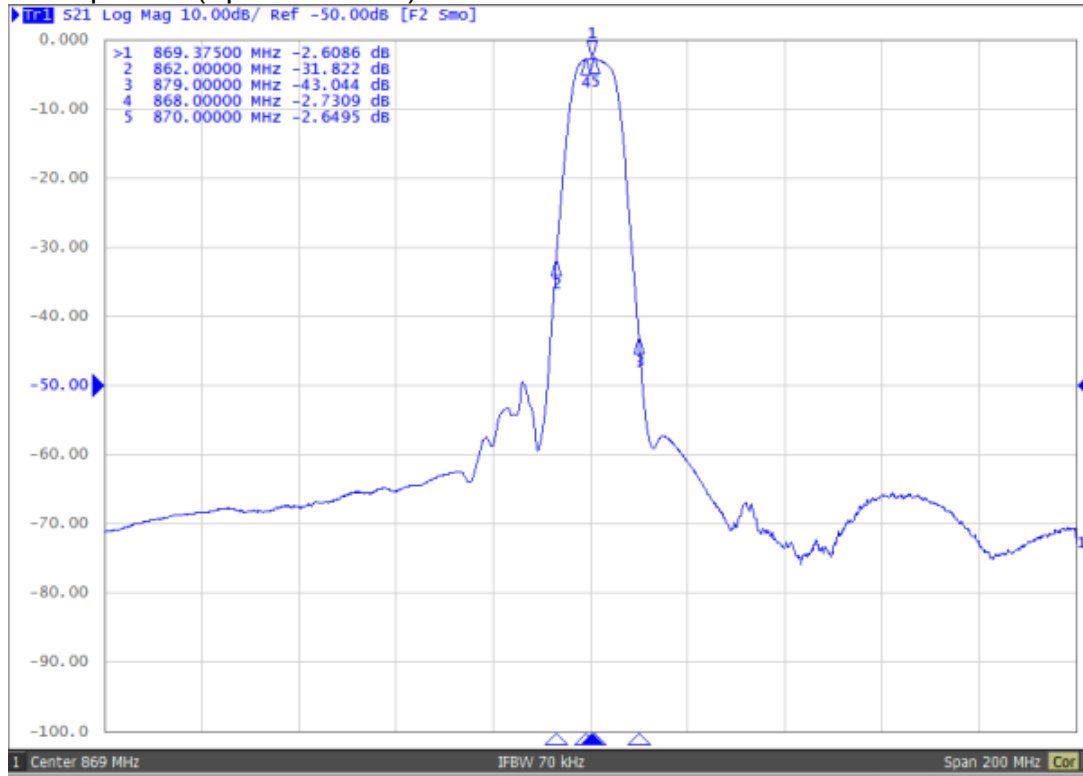


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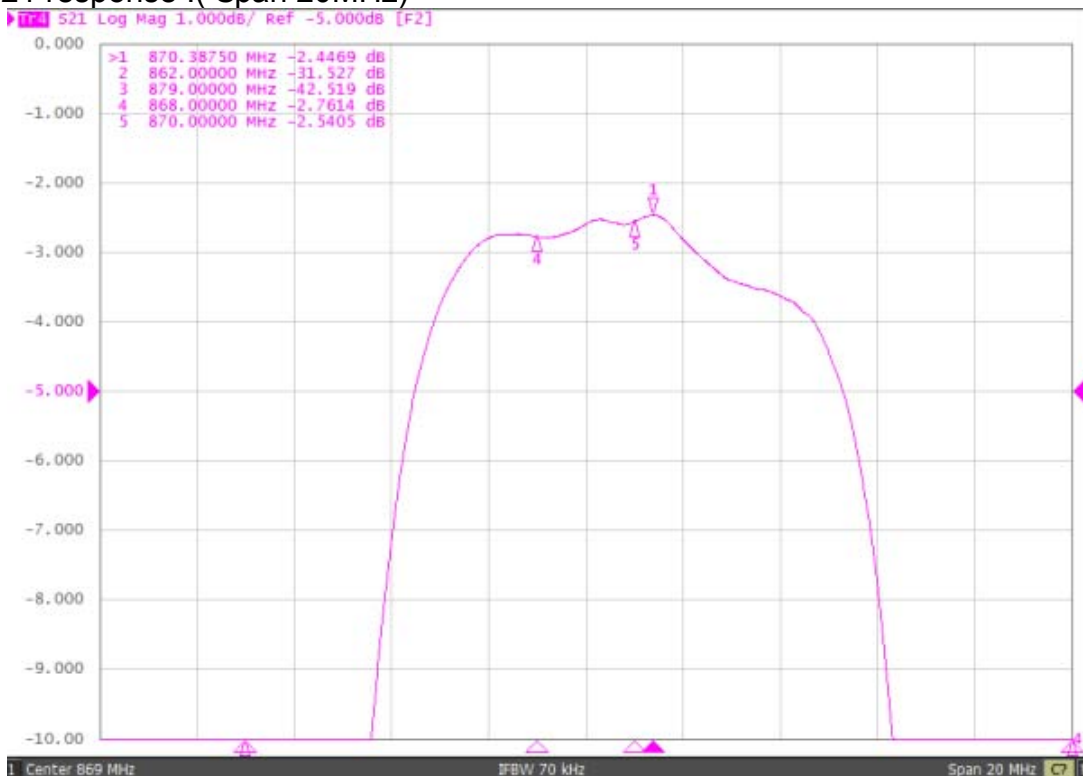
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D. FREQUENCY CHARACTERISTICS:

1. S21 response: (Span 200MHz)



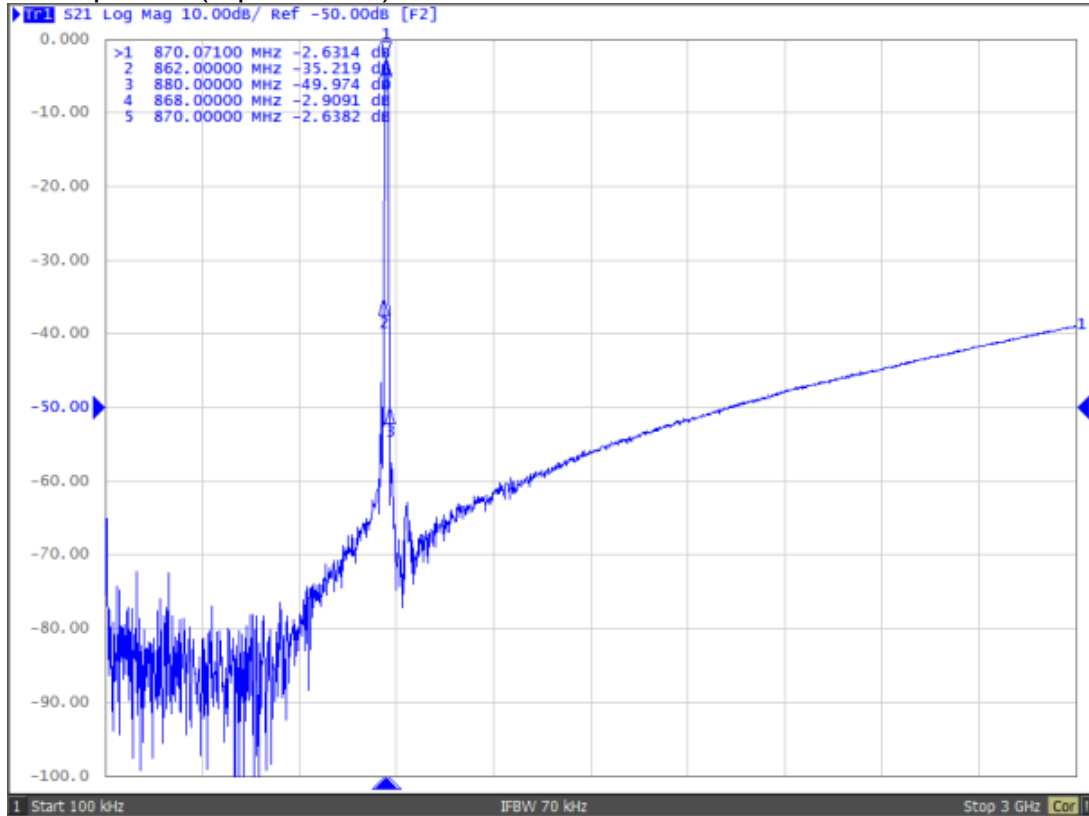
2. S21 response :(Span 20MHz)



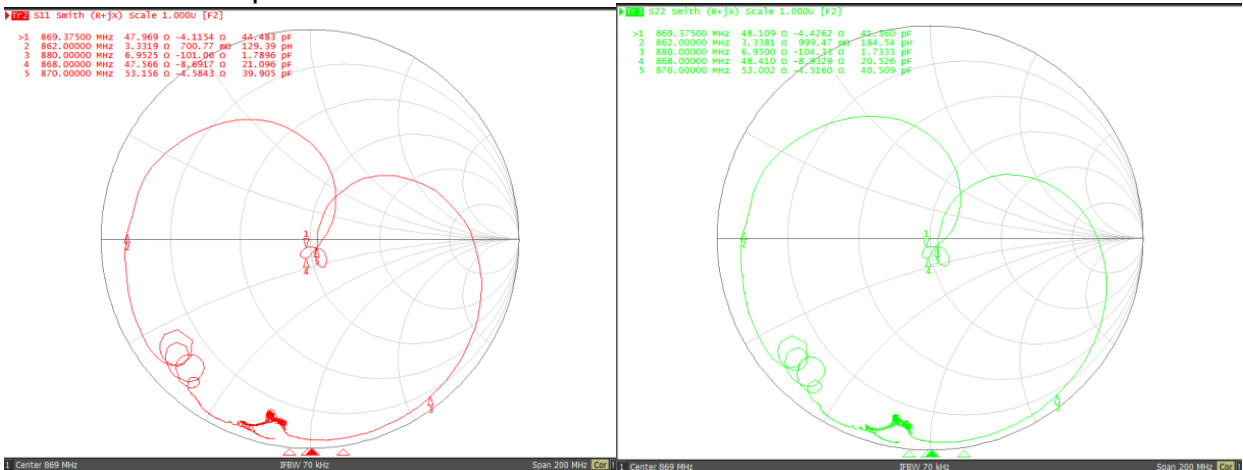
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3. S21 response :(Span 3GHz)



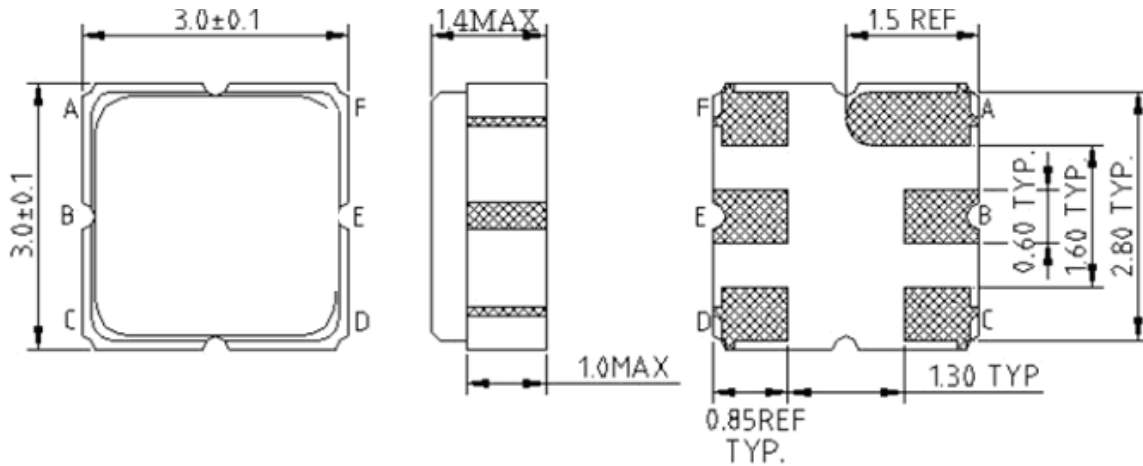
4. S11/S22 response:



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E. OUTLINE DRAWING:



#B: Input
#E: Output
A,C,D,F Ground

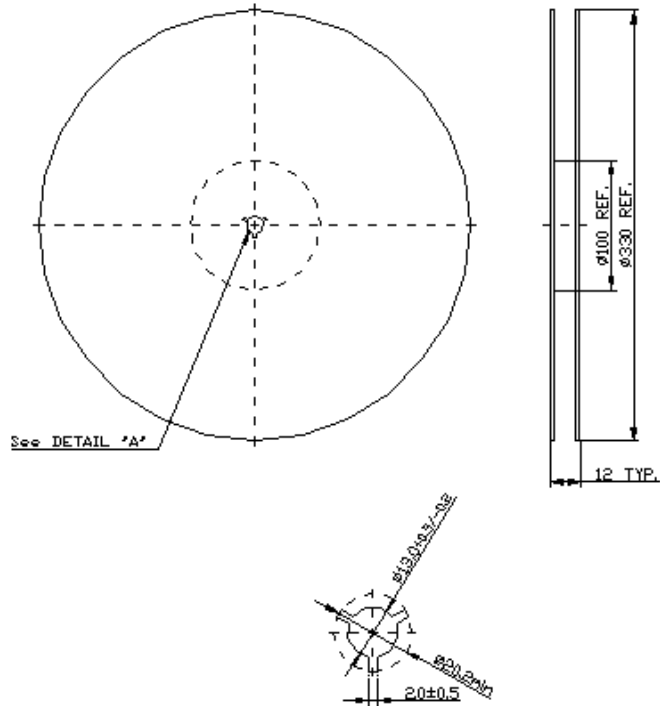
Unit: mm

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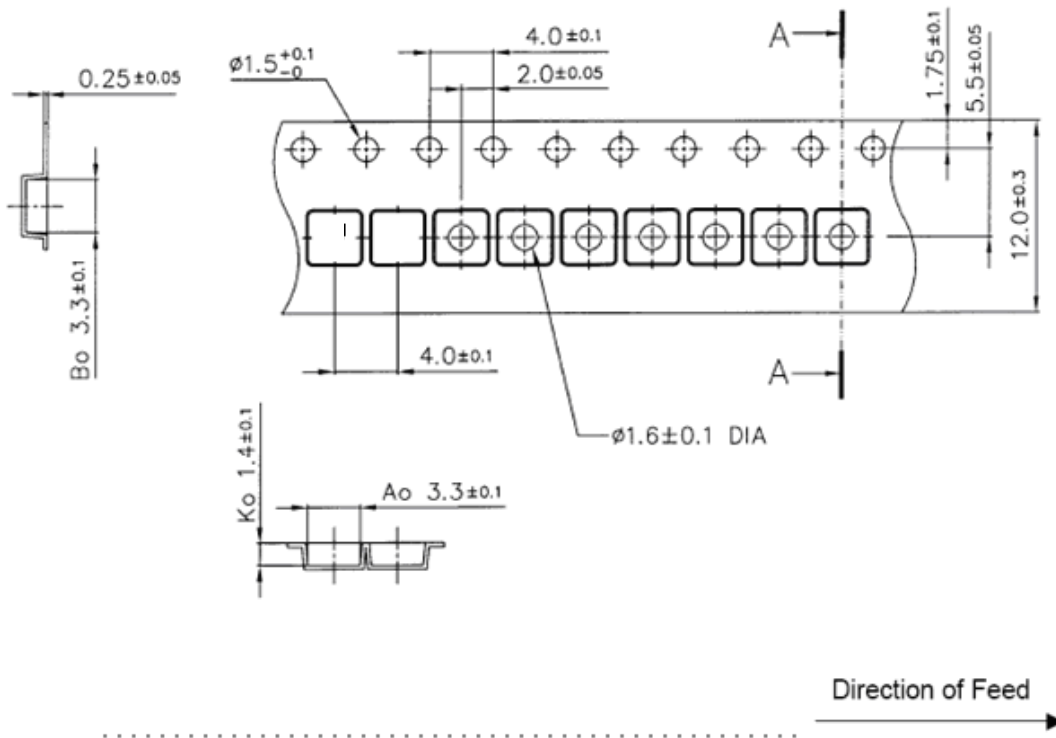
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F. PACKING:

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

