

SAW Filter 869.0MHz
Part No: MP07833

Model: TA1946A
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 +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

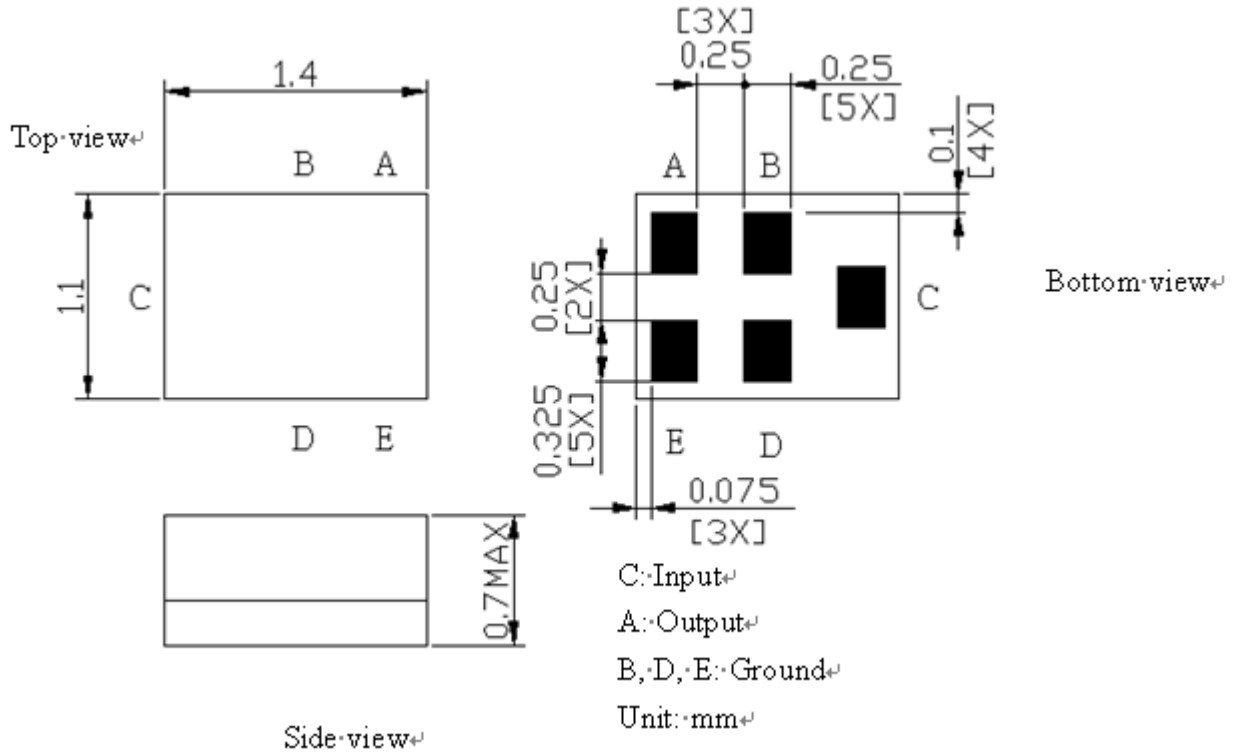
1. Terminating source impedance (single): $Z_S = 50\Omega$
2. Terminating load impedance (single): $Z_L = 50\Omega$

Item	Unit	Min	Typ.	Max
Center Frequency F_c	MHz	-	869	-
Insertion Loss (868 ~ 870MHz) IL	dB		2.5	3.0
Amplitude ripple(868 ~ 870MHz)	dB		0.5	1.2
VSWR				
Input (868 ~ 870MHz)			1.4	2.0
Output (868 ~ 870MHz)			1.4	2.0
Attenuation				
10 ~ 845MHz	dB	30	35	
845 ~ 851MHz	dB	33	38	
851 ~ 856MHz	dB	20	25	
883 ~ 892MHz	dB	30	35	
892 ~ 910MHz	dB	35	40	
910 ~ 1000MHz	dB	35	40	
Package size	mm	SMD 1411		

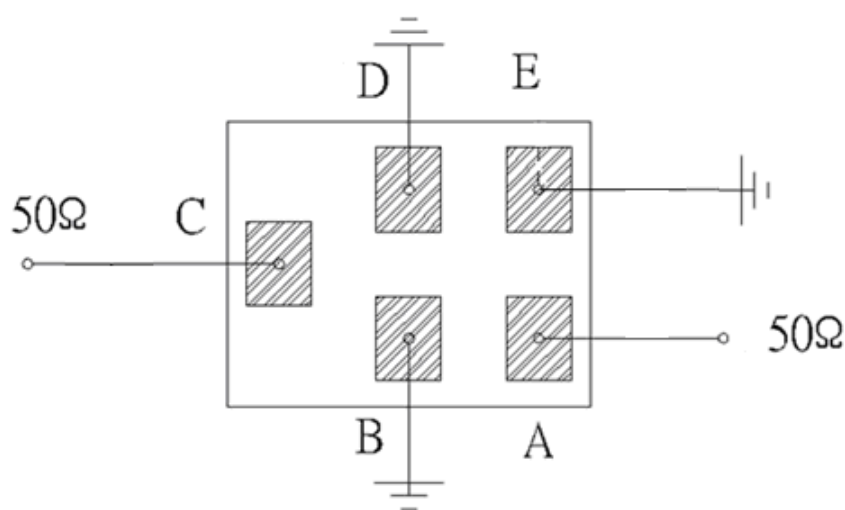
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C. OUTLINE DRAWING:



D. MEASUREMENT CIRCUIT:

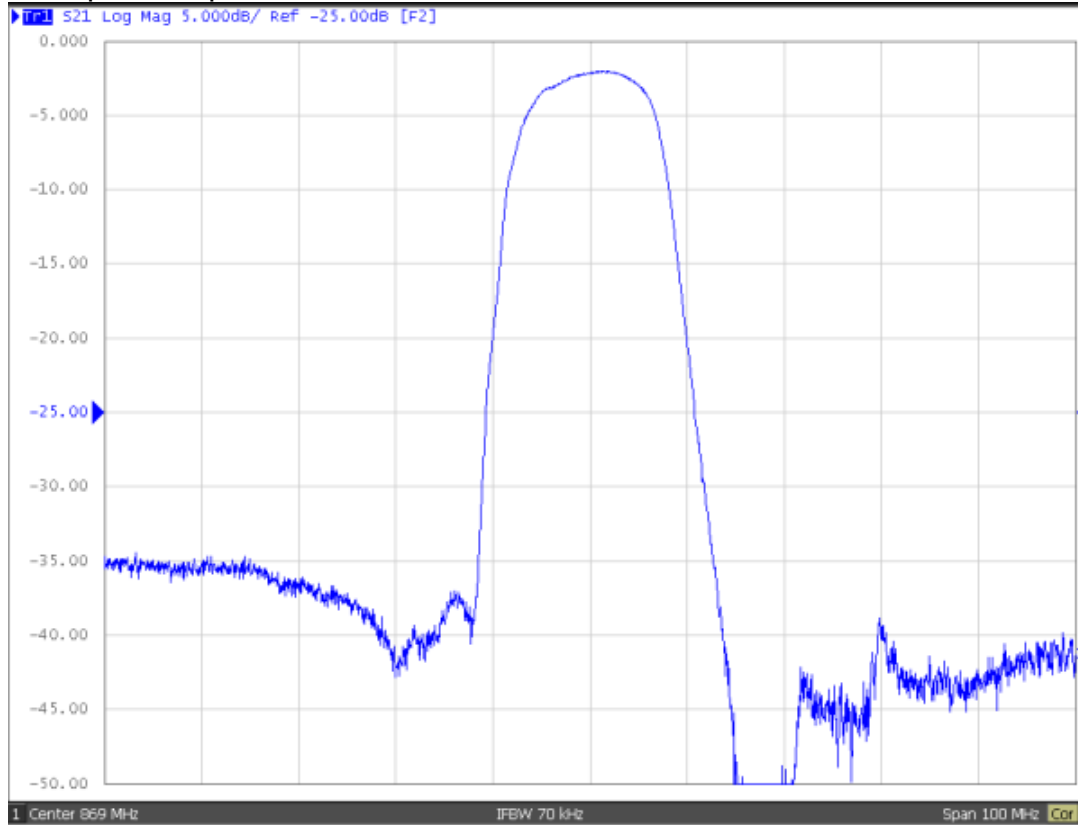


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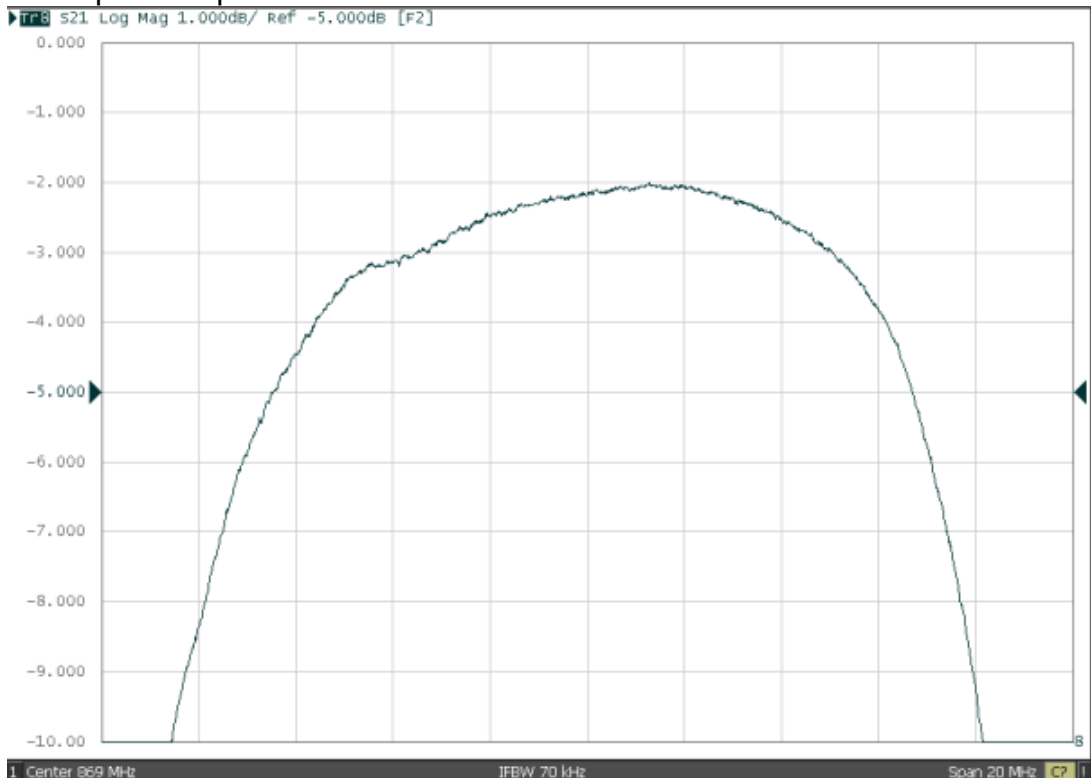
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E. FREQUENCY CHARACTERISTICS:

1. S21 response: span 100MHz



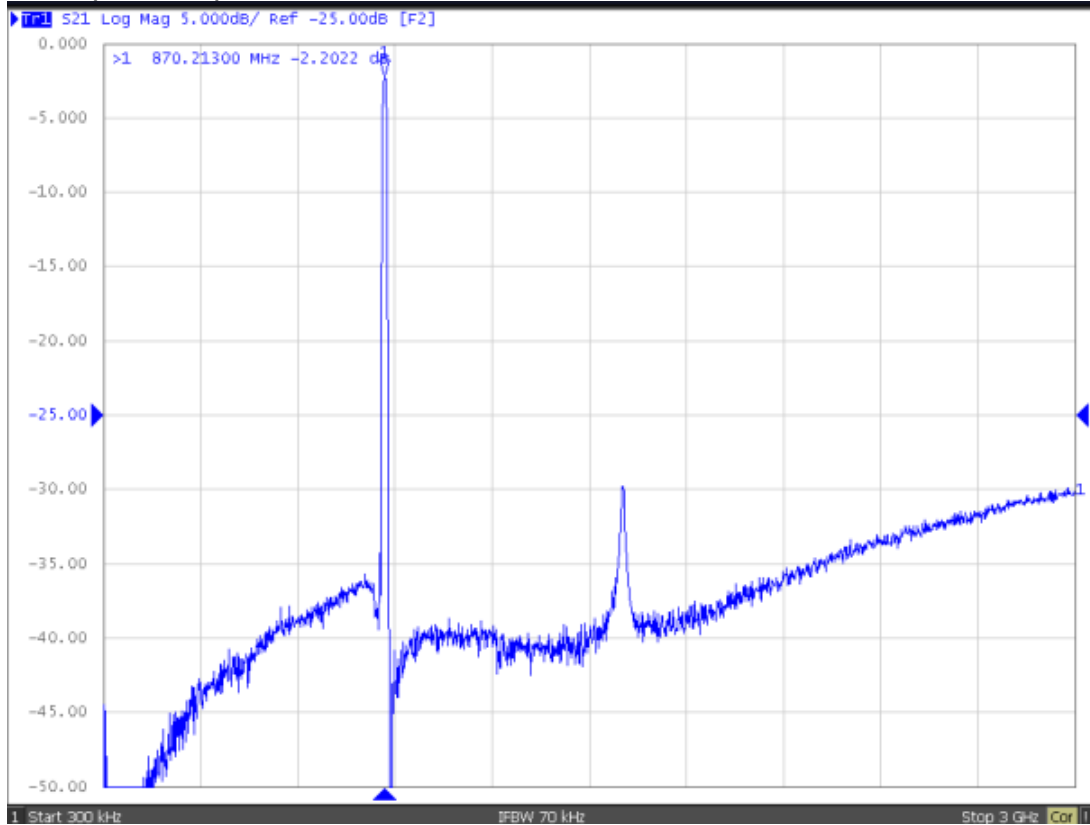
2. S21 response: span 20MHz



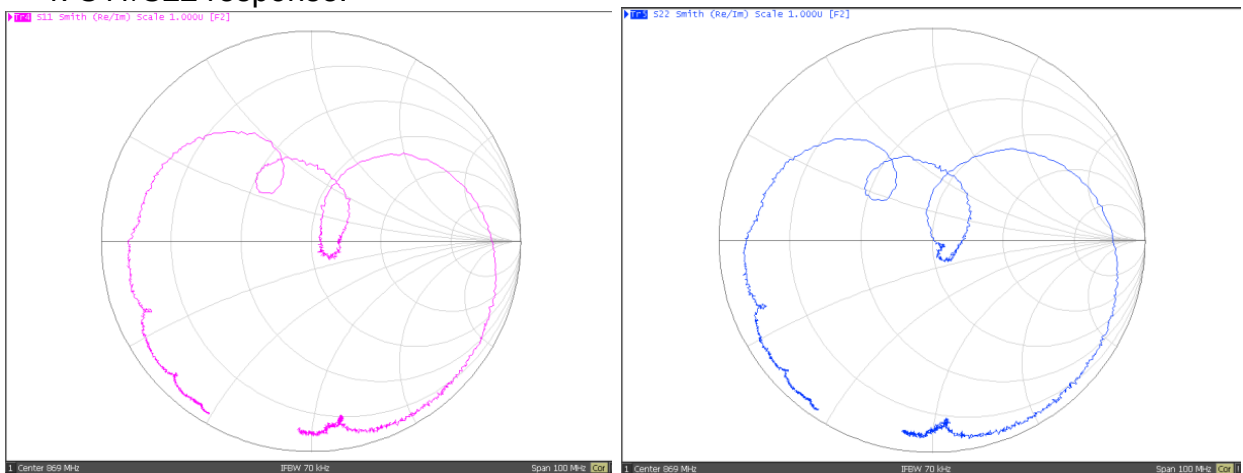
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3. S21 response: span 3GHz



4. S11/S22 response:

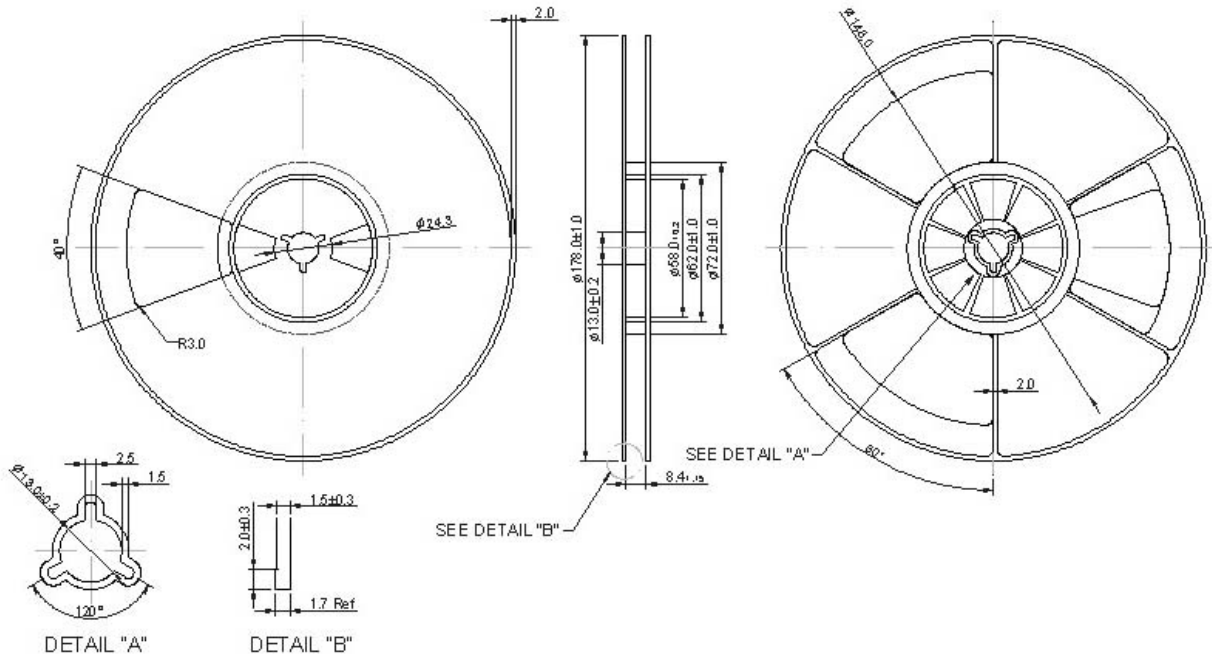


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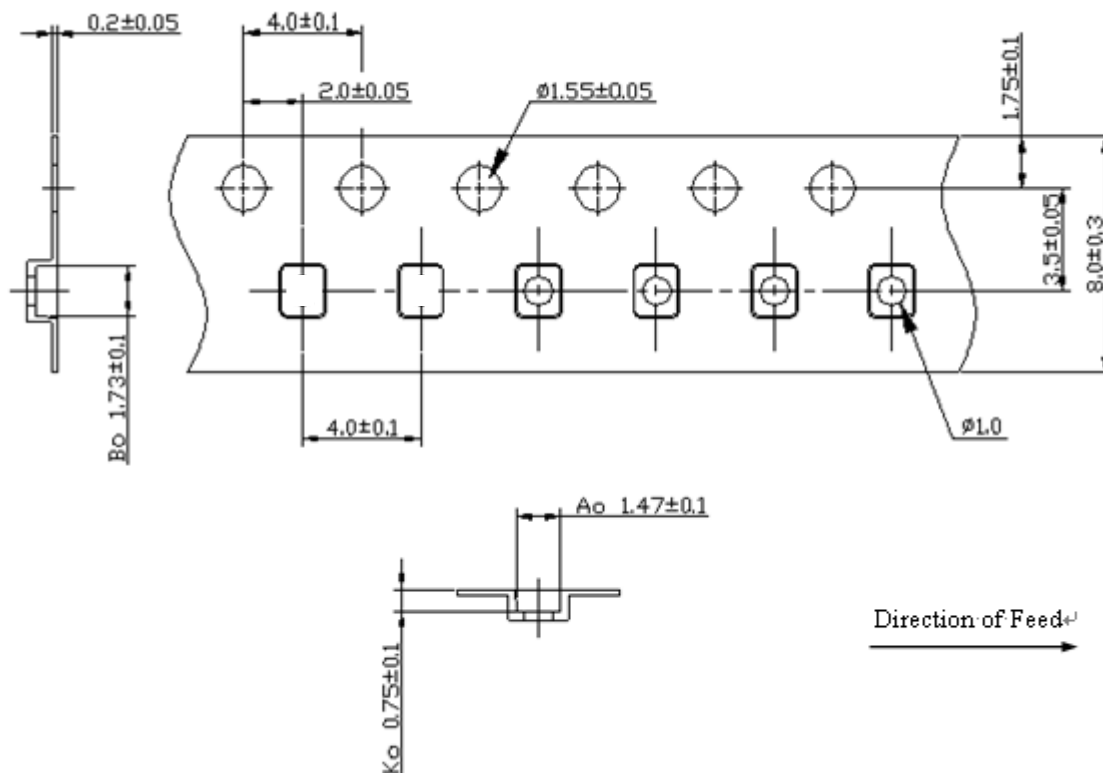
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F. PACKING:

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.

