

SAW Filter 866.0MHz

Model: TA1687A

Part No: MP05434

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

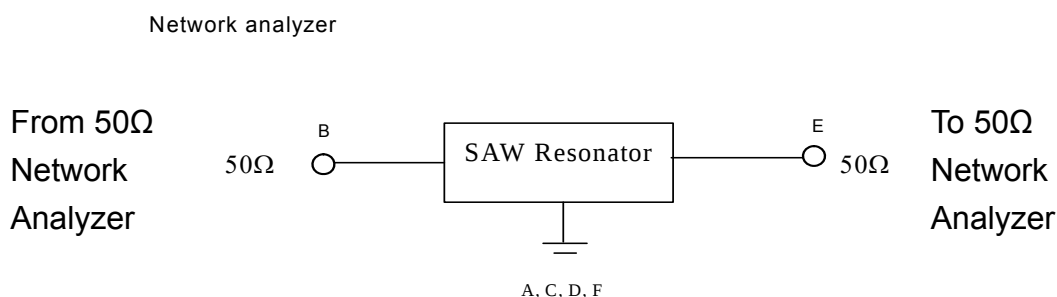
1. Input Power Level: 13dBm
2. DC Voltage: 0V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

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 Fc	MHz	-	866	-
Insertion Loss (863 ~ 870MHz) IL	dB		2.6	3.5max
Amplitude ripple(863 ~ 870MHz)	dB		0.6	1.2max
Attenuation				
10 ~ 300MHz	dB	45	50	
300 ~ 840MHz	dB	40	45	
883 ~ 892MHz	dB	30	35	
892 ~ 1000MHz	dB	30	35	
Package size	mm	SMD 3x3		

C. TEST CIRCUIT:

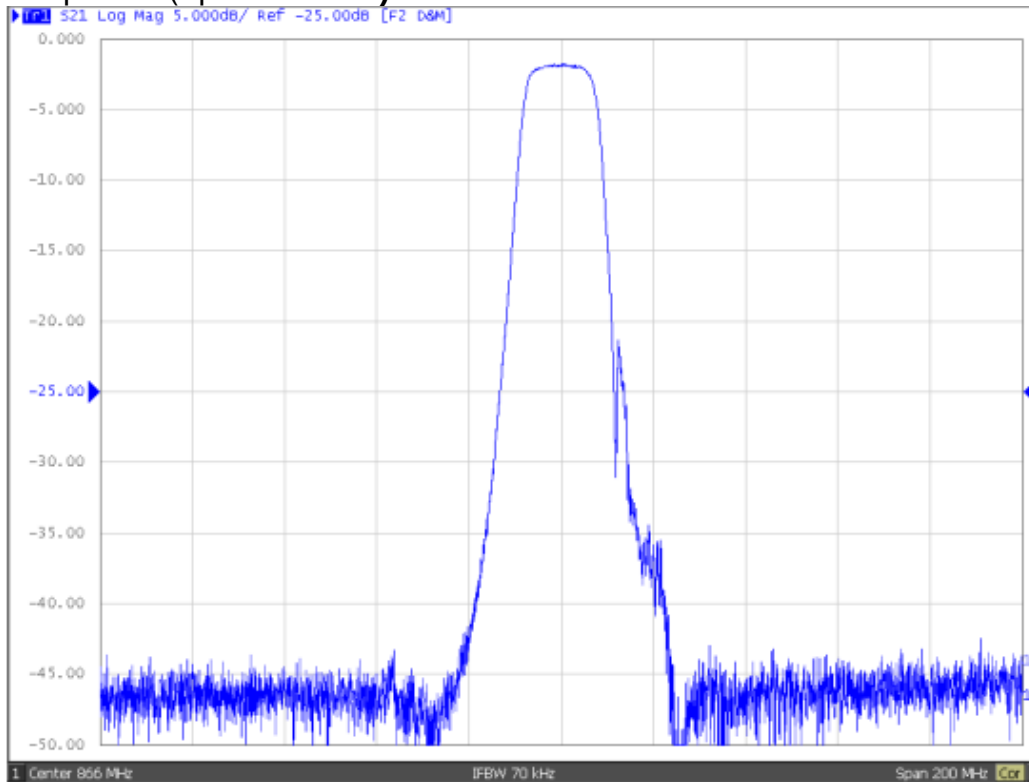


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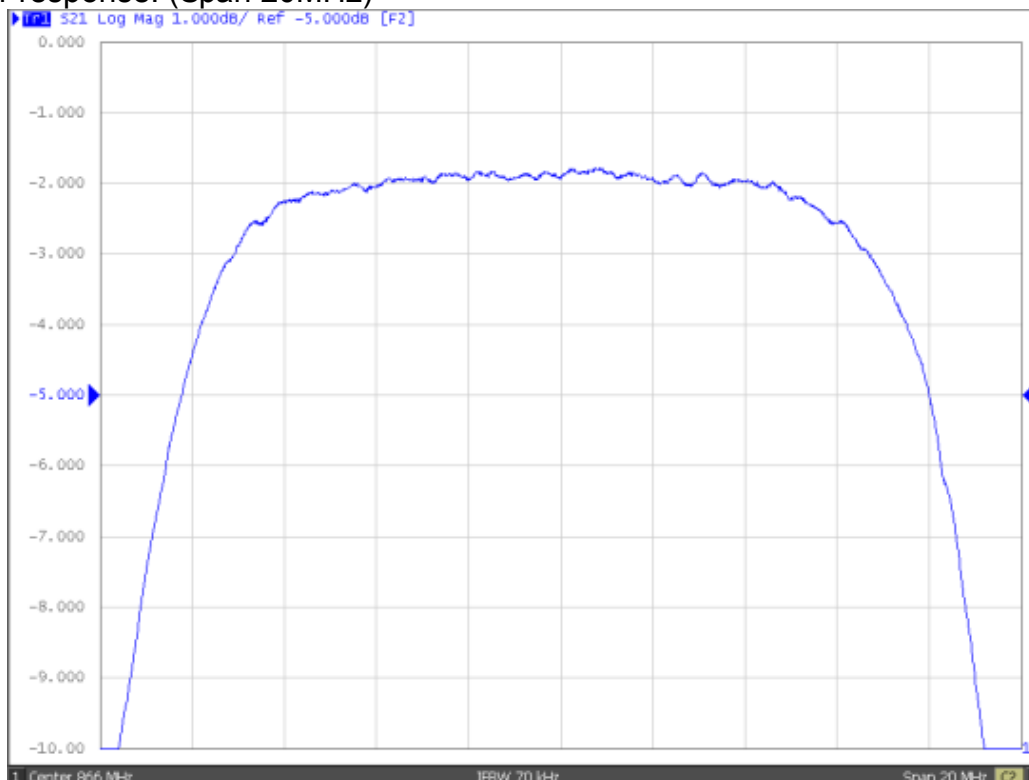
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D. FREQUENCY CHARACTERISTICS:

1. S21 response: (Span 200MHz)



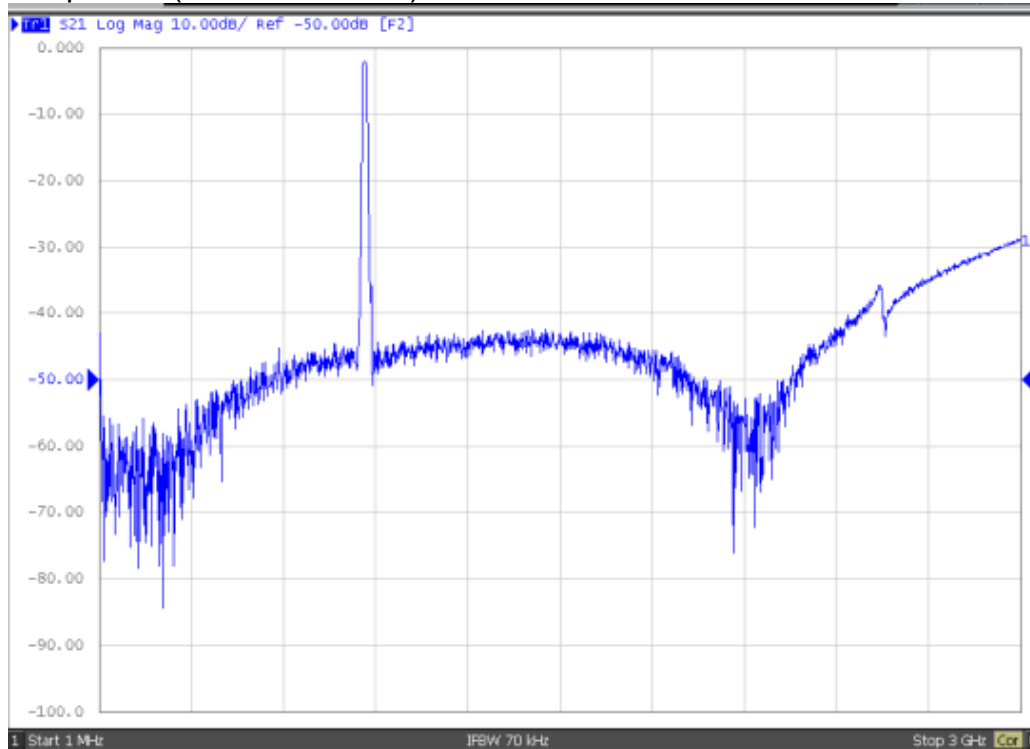
2. S21 response: (Span 20MHz)



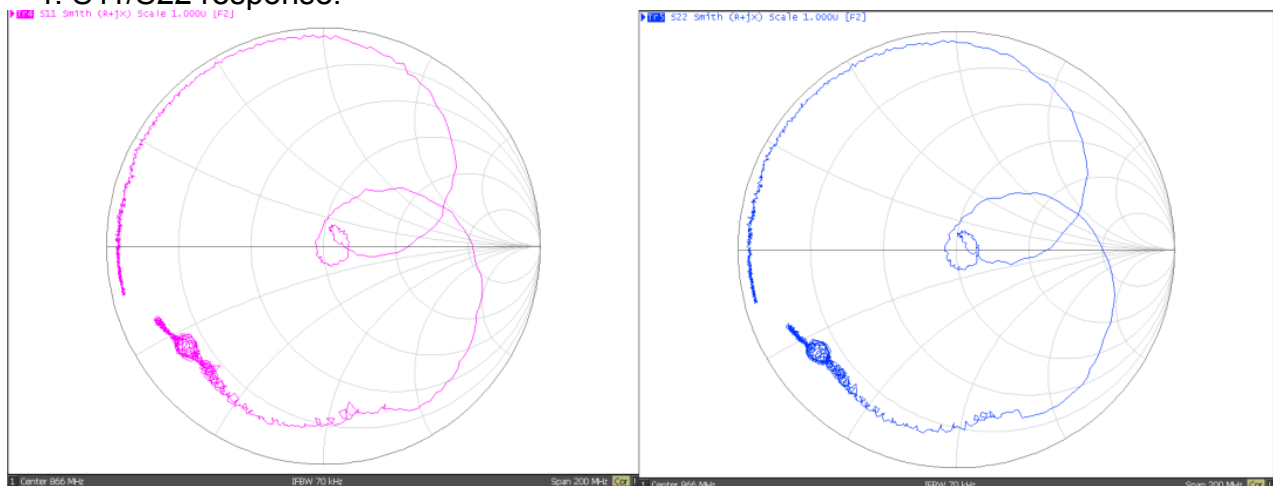
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3. S21 response: (100kHz ~ 3GHz)



4. S11/S22 response:



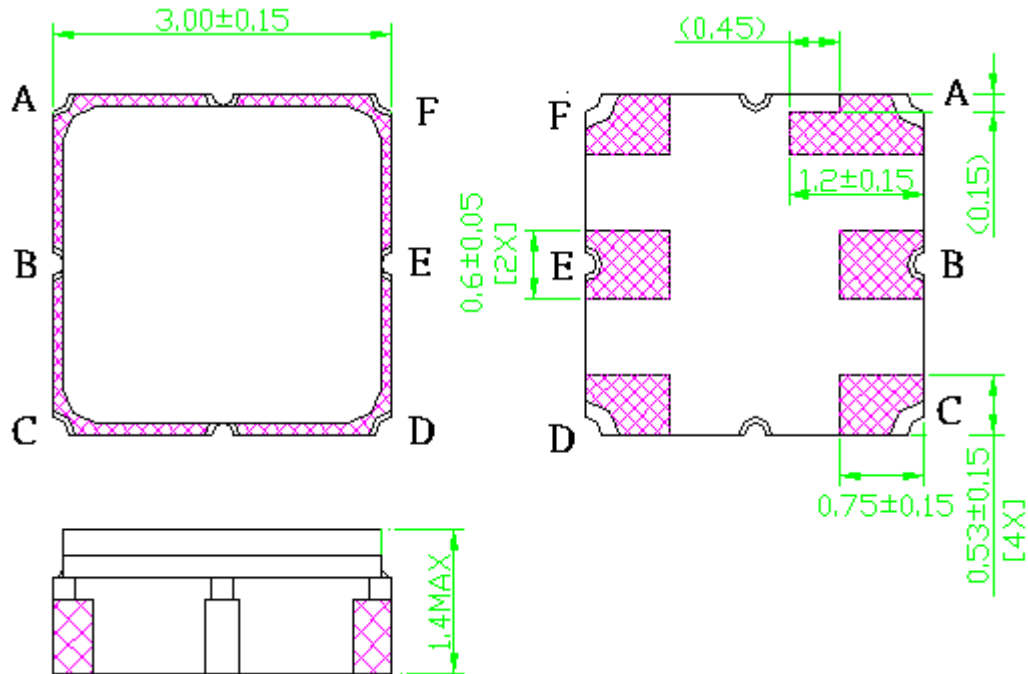
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E. OUTLINE DRAWING:



B: Input

E: Output

A, C, D, F: Ground

Unit: mm

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G. RECOMMENDED REFLOW PROFILE:

