

SAW Filter 866.0MHz
Part No: MP05434

Model: TA1687A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

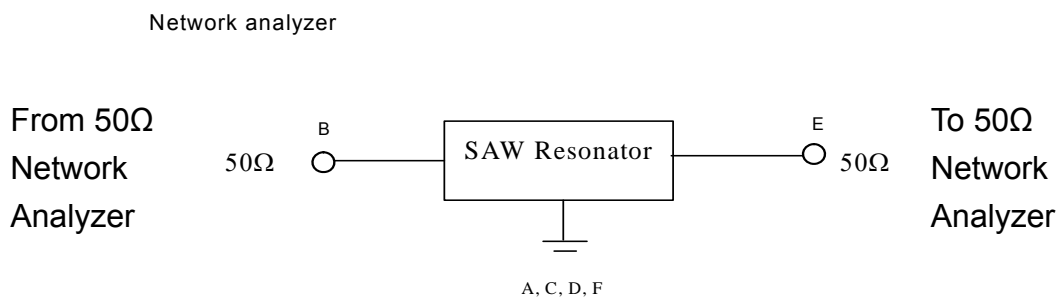
1. Input Power Level: 13dBm
2. DC Voltage: 0V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

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:

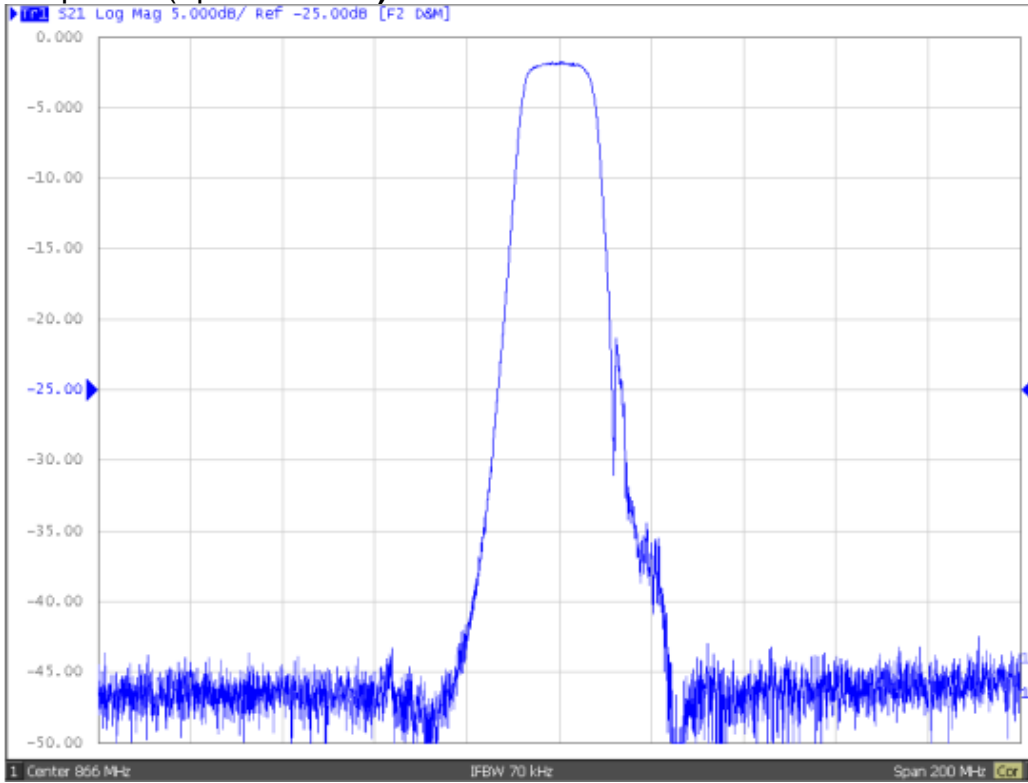


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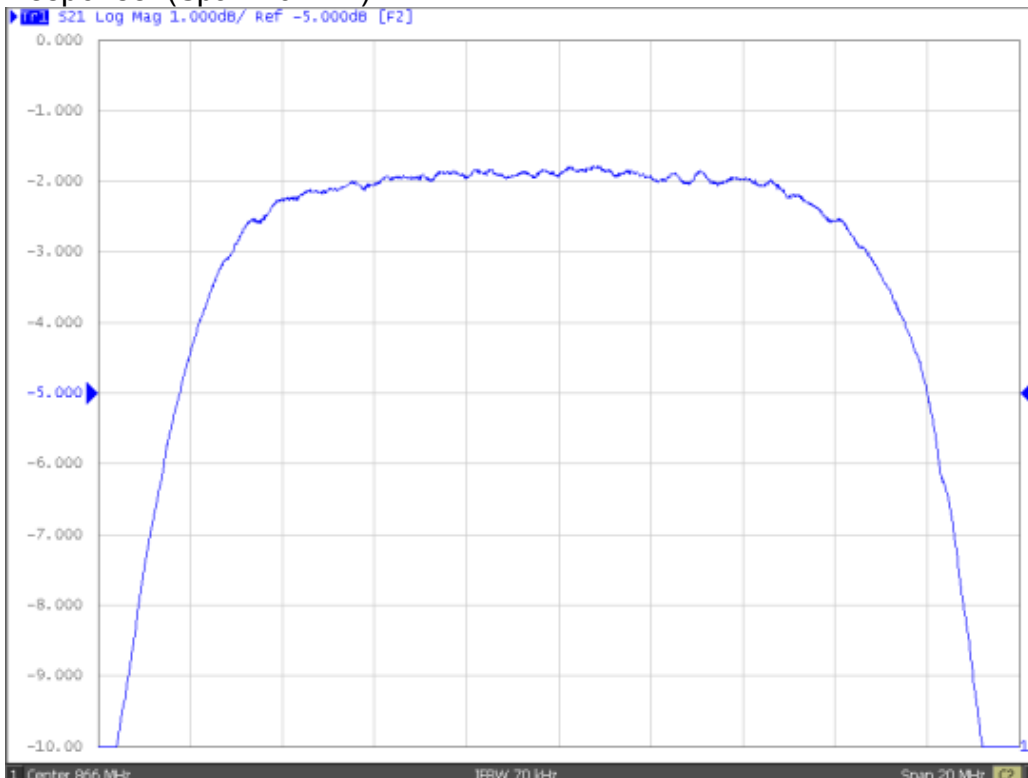
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D. FREQUENCY CHARACTERISTICS:

1. S21 response: (Span 200MHz)



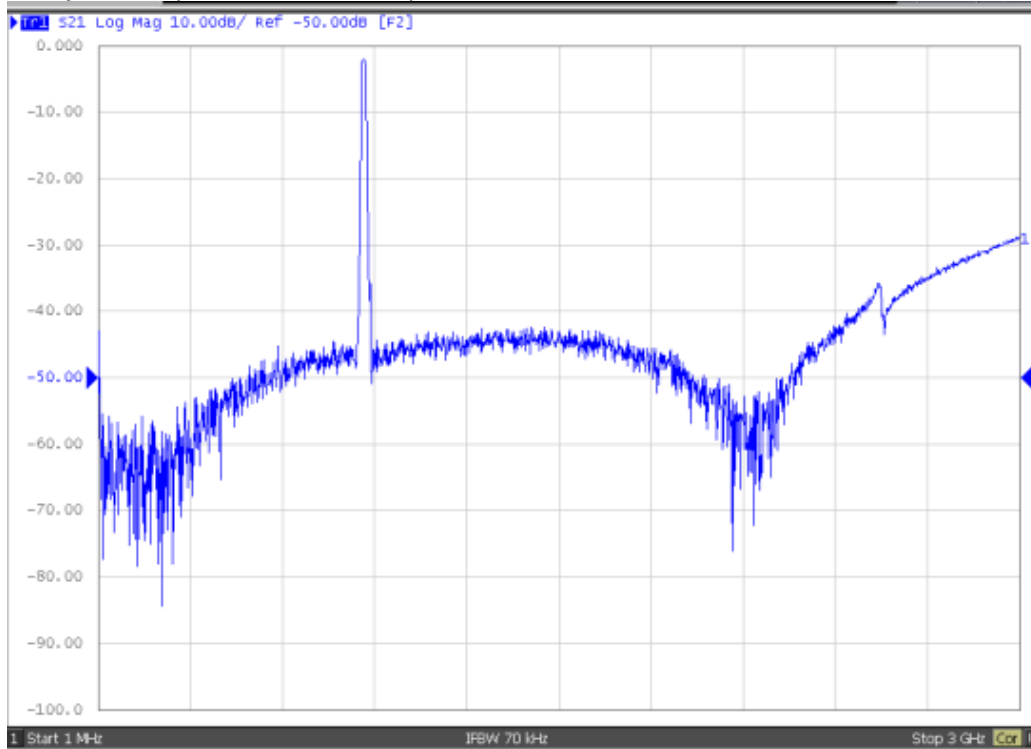
2. S21 response: (Span 20MHz)



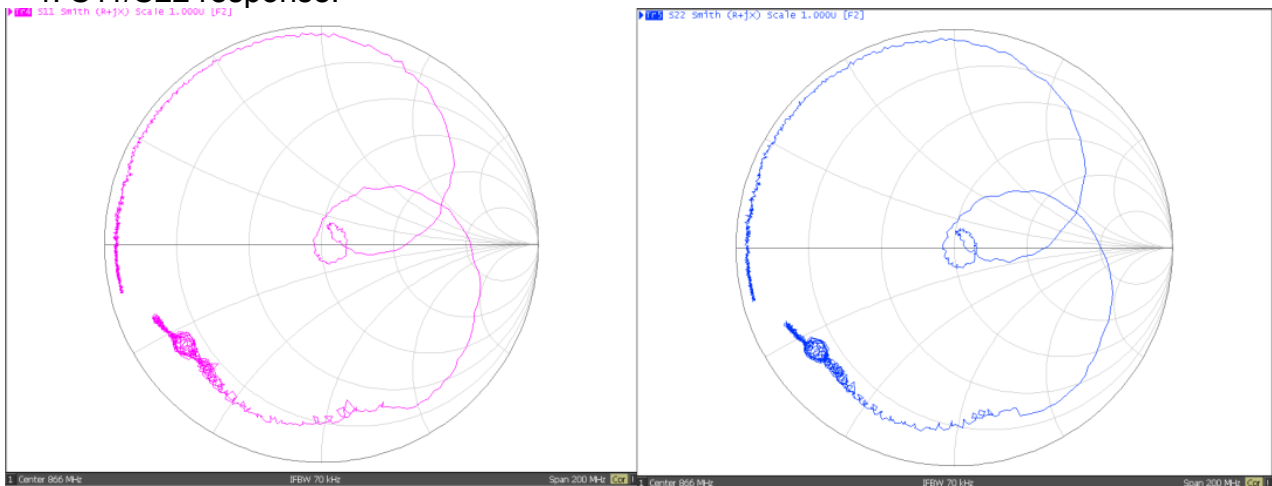
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3. S21 response: (100kHz ~ 3GHz)



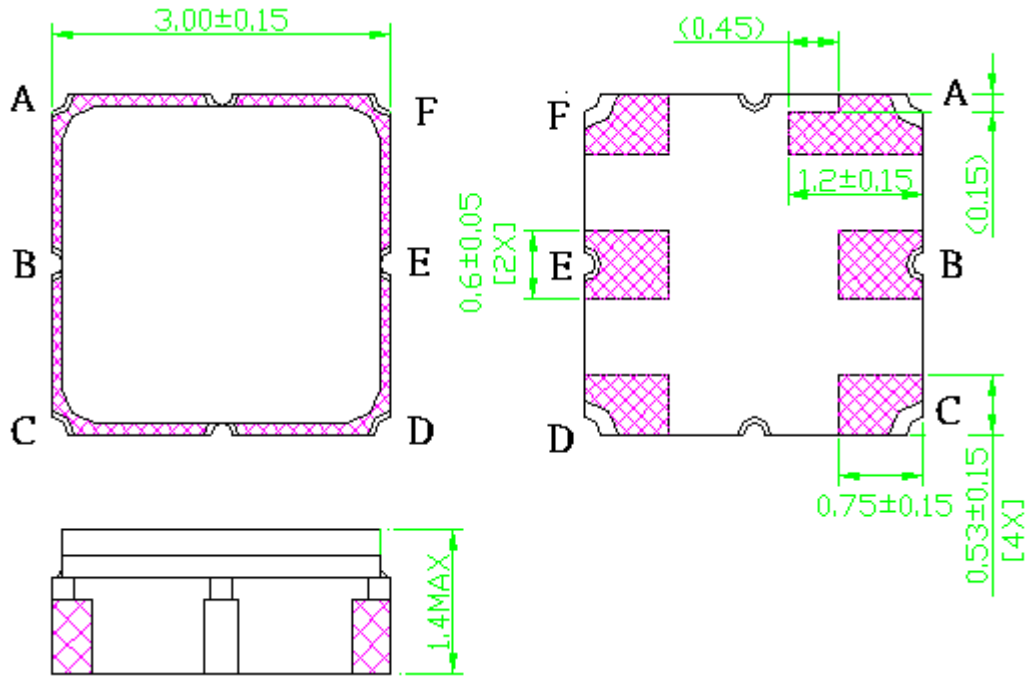
4. S11/S22 response:



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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:

