

SAW Filter 1120MHz
Part No: MA05730

Model: TA0267A
Rev No: 1

A. MAXIMUM RATING:

1. Operating Temperature: -10°C ~ +85°C
2. Storage Temperature: -40°C ~ +85°C

B. CHARACTERISTICS:

1. Balanced to Balanced operation
2. Terminating source impedance: $Z_S = 200\Omega // 50nH$
3. Terminating load impedance: $Z_L = 200\Omega // 30nH$

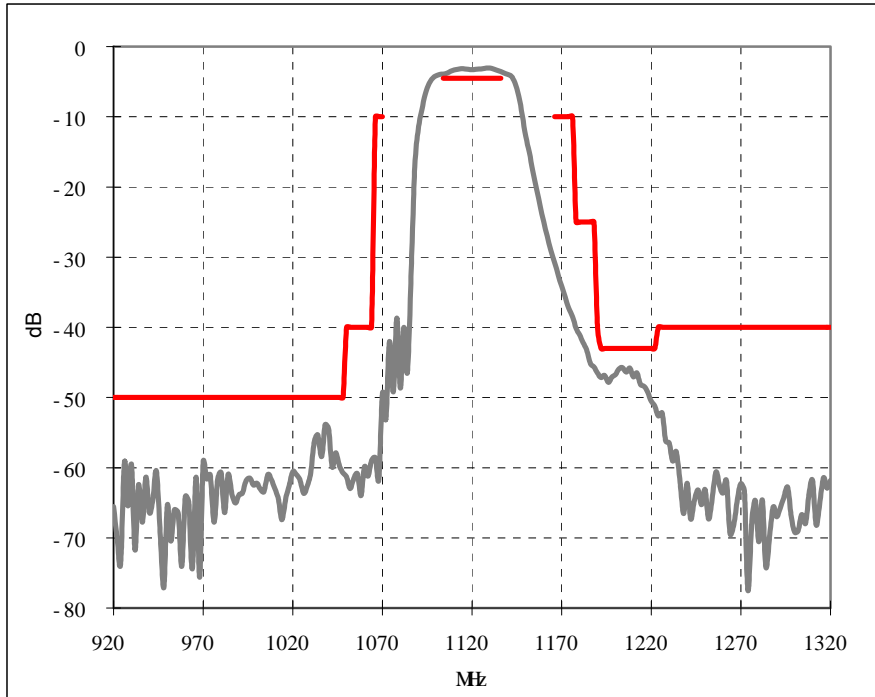
| Characteristics | Value | | | Note |
|--|-------|------|------|------|
| | Min. | Typ. | Max. | |
| Center frequency Fc MHz | - | 1120 | - | - |
| Insertion loss (1104 ~ 1136MHz) IL dB | - | 3.9 | 4.5 | - |
| Ripple (1104 ~ 1136MHz) dB | - | 0.8 | 1.5 | - |
| Passband Return Loss Differential | 9 | 11 | | |
| Attenuation: (Reference level from 0dB) | | | | |
| 1017 < F < 1048MHz dB | 50 | 55 | - | - |
| 1191 < F < 1222MHz dB | 43 | 46 | - | - |
| 0 < F < 1017MHz dB | 50 | 55 | - | - |
| Fc -72 < F < Fc -56MHz dB | 40 | 60 | | |
| Fc -56 < F < Fc -50MHz dB | 10 | 49 | - | - |
| Fc +46 < F < Fc +56MHz dB | 10 | 32 | - | - |
| Fc +56 < F < Fc +70MHz dB | 25 | 40 | - | - |
| Fc +70 < F < Fc +2000MHz dB | 40 | 56 | - | - |
| 2000 < F < 3000MHz dB | 40 | 60 | - | - |
| Group delay ripple (p - p) (1104 ~ 1136MHz) nS | - | 9 | 15 | |

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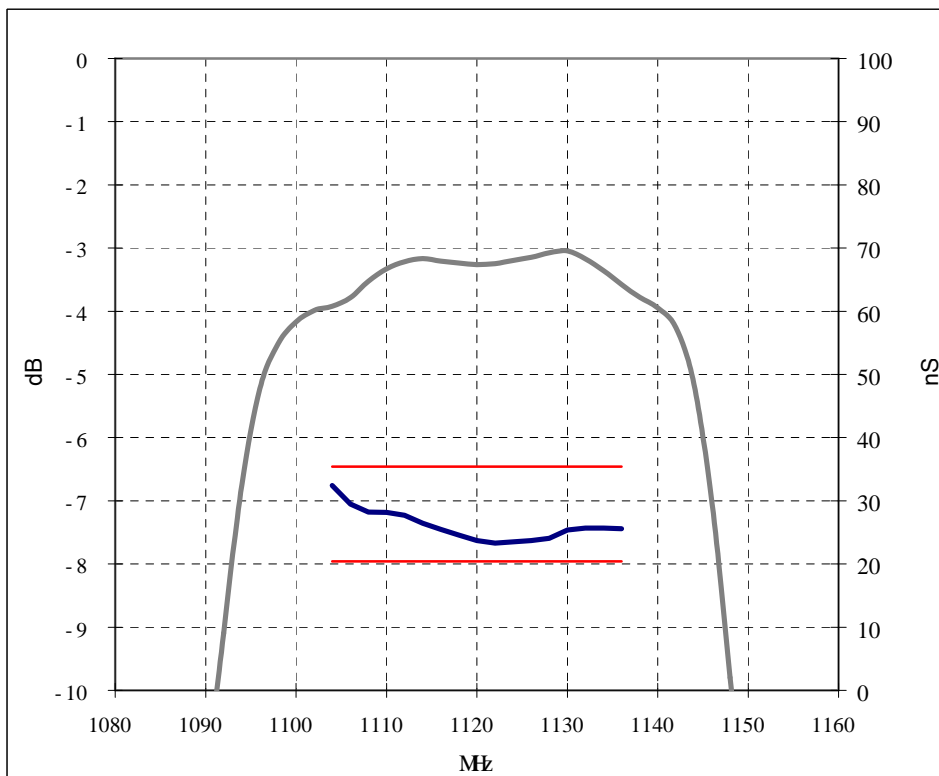
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C. FREQUENCY CHARACTERISTICS:

1. Sdd21 Response



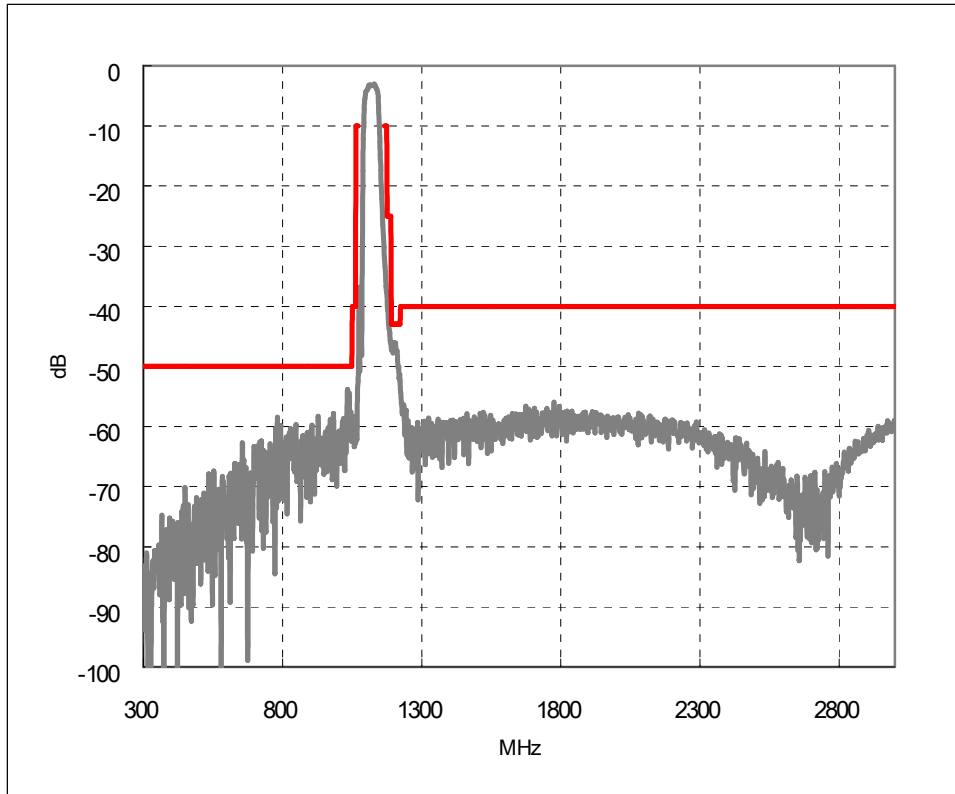
2. Sdd21 Response (Passband)



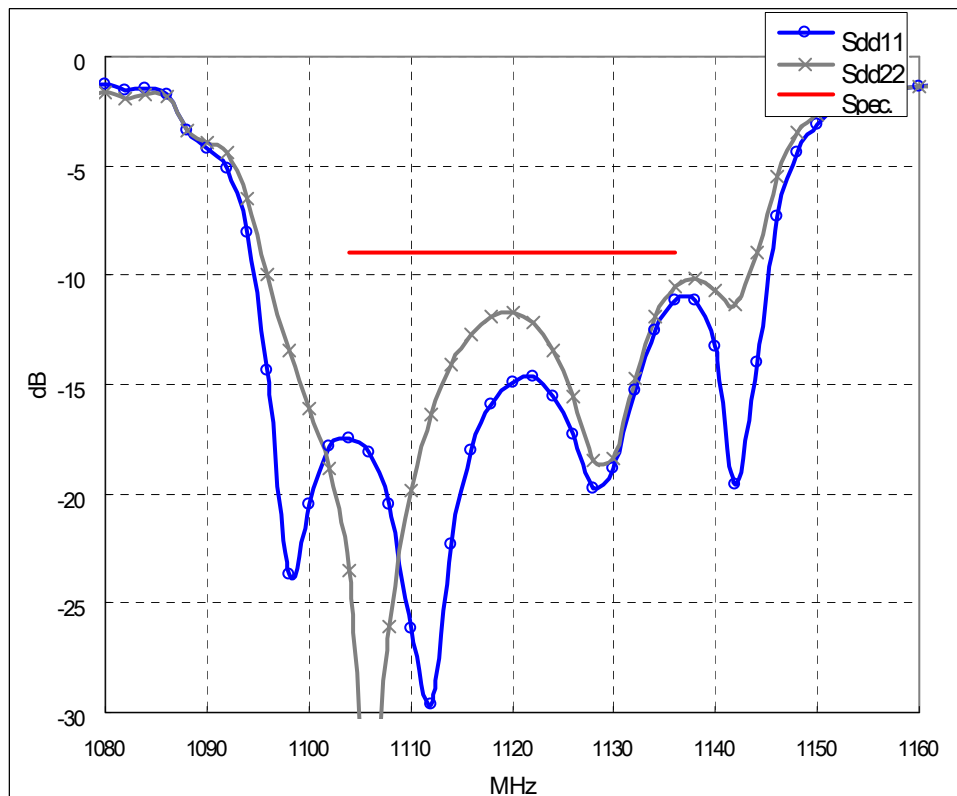
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3. Sdd21 Response (wide band)



4. Return Loss

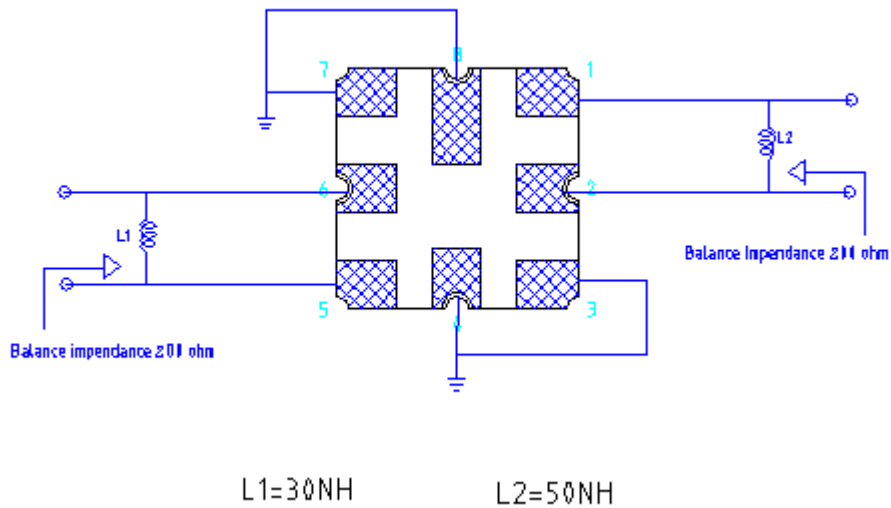


SAW Filter 1120MHz
Part No: MA05730

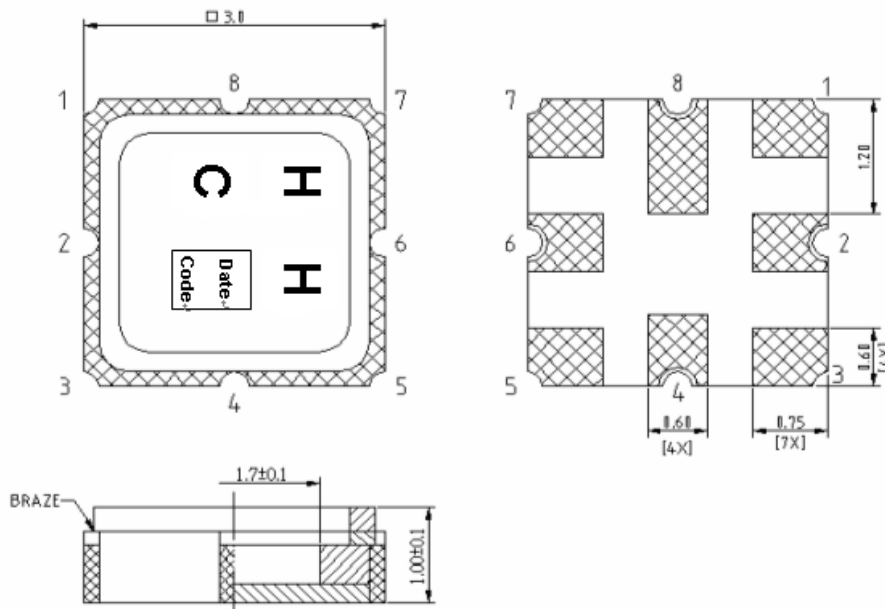
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D. MEASUREMENT CIRCUIT:

1. Balanced input 200Ω and Balanced output 200Ω



E. OUTLINE DRAWING:



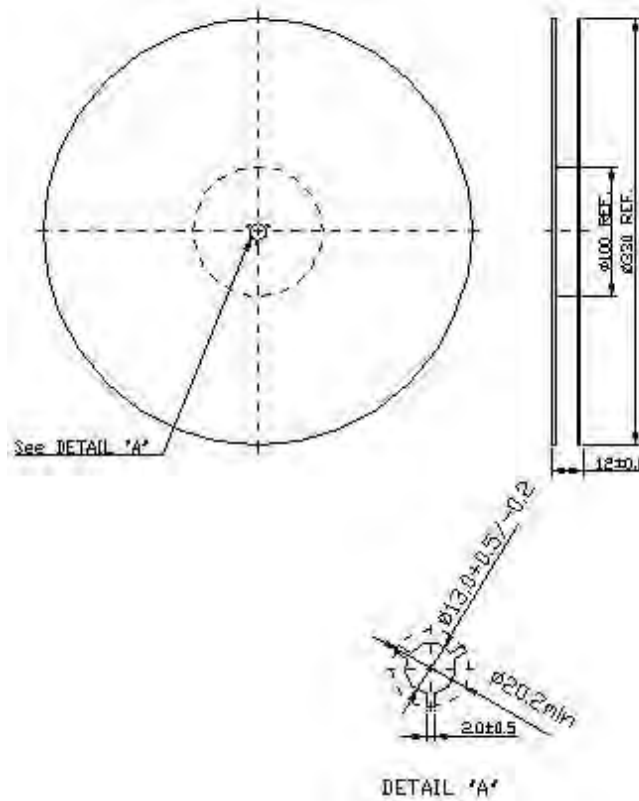
- 1, 2: Differential Input
- 5, 6: Differential Output
- 3, 4, 7, 8: Ground

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F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

