

SAW Filter 915.0MHz
Part No: MP02566

Model: TA1102A
Rev No: 2

A. MAXIMUM RATING:

1. Input Power Level: 15dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

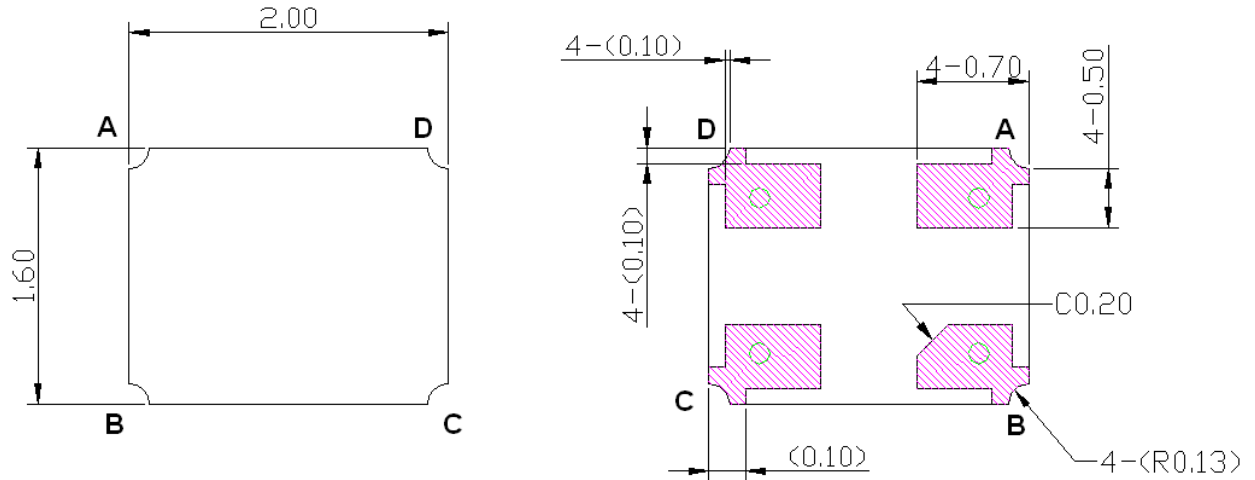
B. ELECTRICAL CHARACTERISTICS:

| Item | Unit | Min. | Typ. | Max. |
|---|------|---------|------|---------|
| Center Frequency Fc | MHz | - | 915 | - |
| Insertion Loss (902 ~ 928MHz) IL | dB | - | 2 | 3 max |
| Amplitude Ripple (902 ~ 928MHz) | dB | - | 0.8 | 1.5 max |
| Group Delay Variation (902 ~ 928MHz) | ns | - | 35 | 50 max |
| Input / Output Return Loss (902 ~ 928MHz) | dB | - | 9.5 | 8 min |
| Attenuation (Reference level from 0dB) | | | | |
| 10 ~ 857.5MHz | dB | 40 min. | 55 | - |
| 857.5 ~ 882.5MHz | dB | 35 min. | 48 | - |
| 970 ~ 1005MHz | dB | 35 min. | 48 | - |
| 1005 ~ 1110MHz | dB | 45 min. | 52 | - |
| 1110 ~ 3000MHz | dB | 30 min. | 35 | - |

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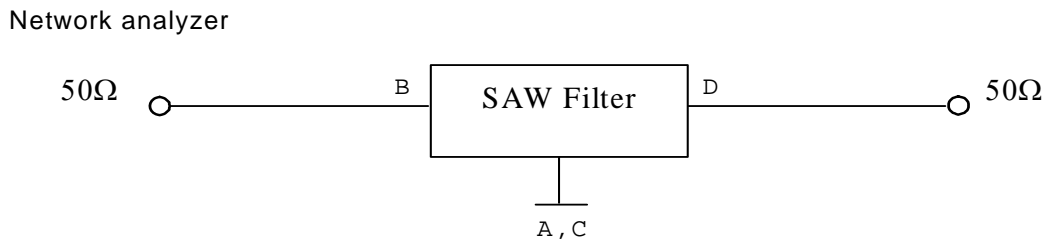
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C. OUTLINE DRAWING:

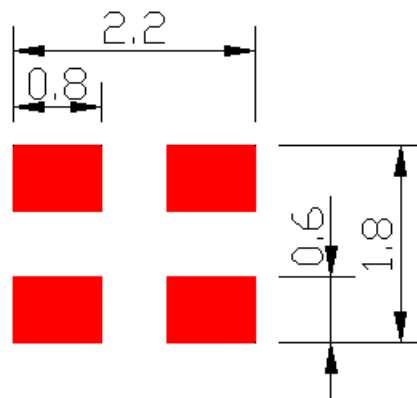


B: Input
 D: Output
 A, C: Ground
 Unit: mm

D. MEASUREMENT CIRCUIT:



E. PCB FOOTPRINT:

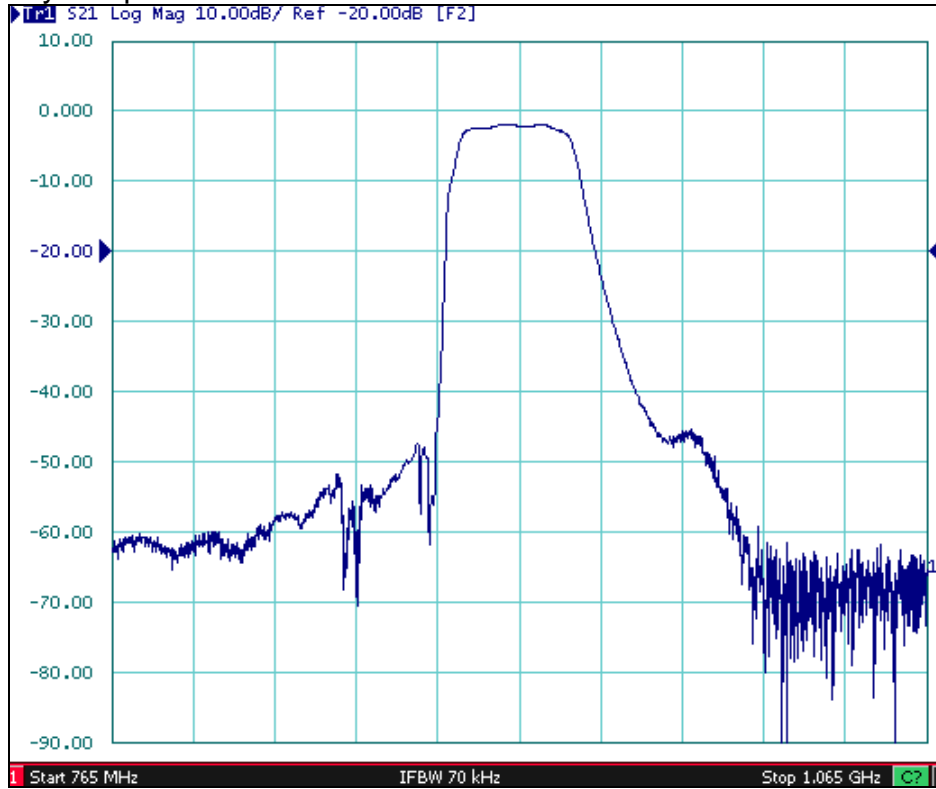


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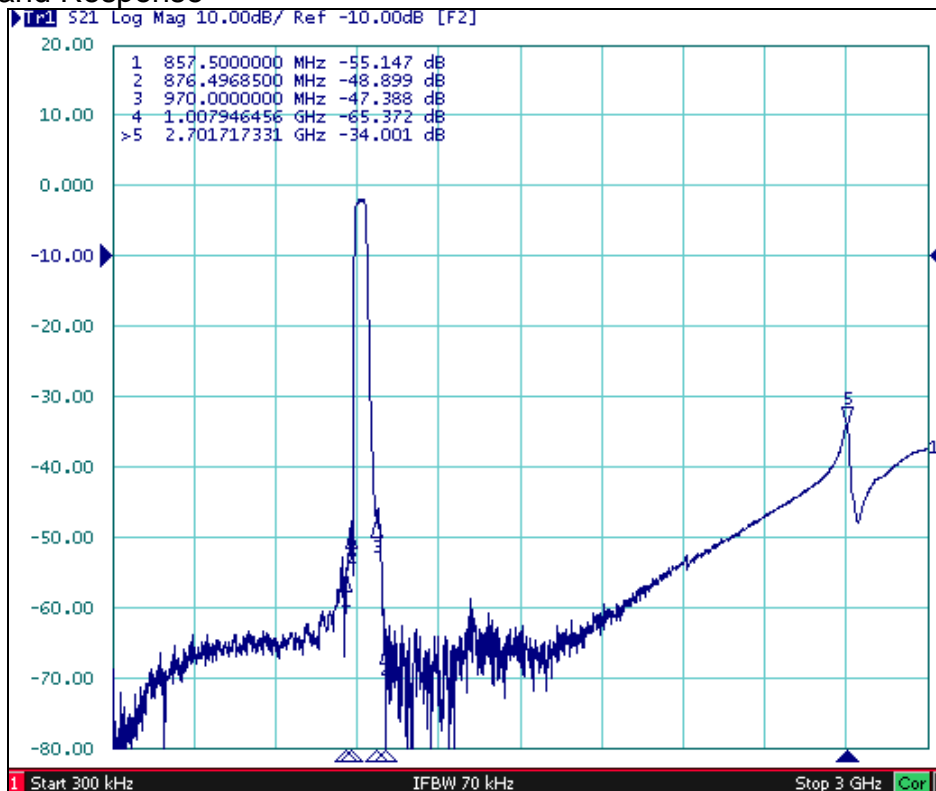
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F. FREQUENCY CHARACTERISTICS: (Measure Demo board)

1. Frequency Response



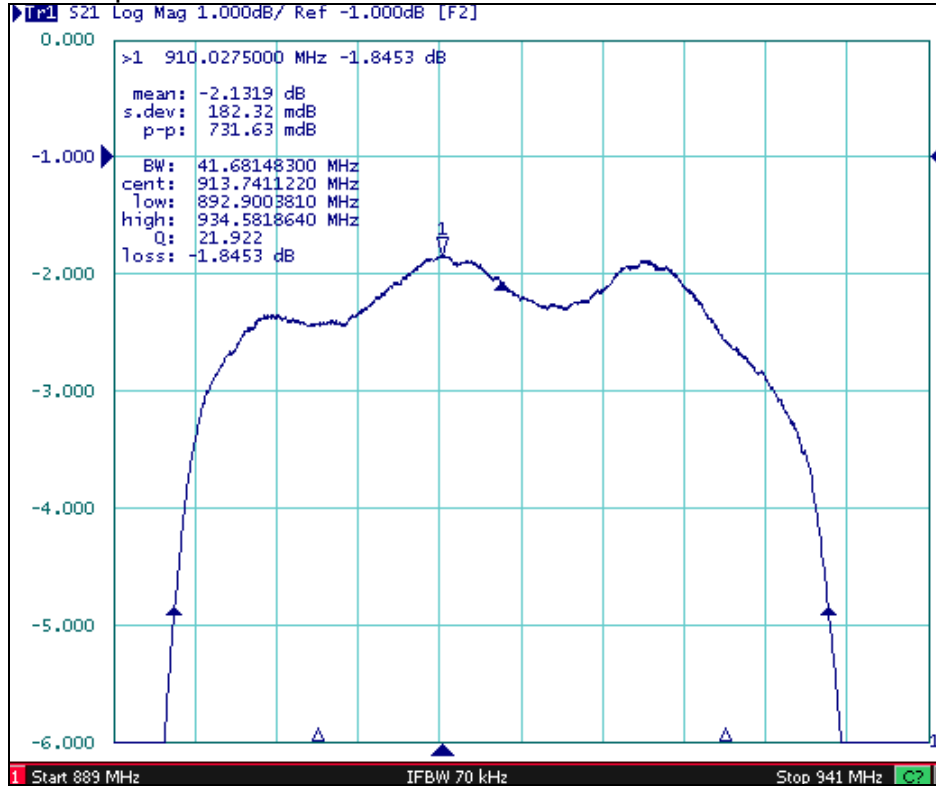
2. Wideband Response



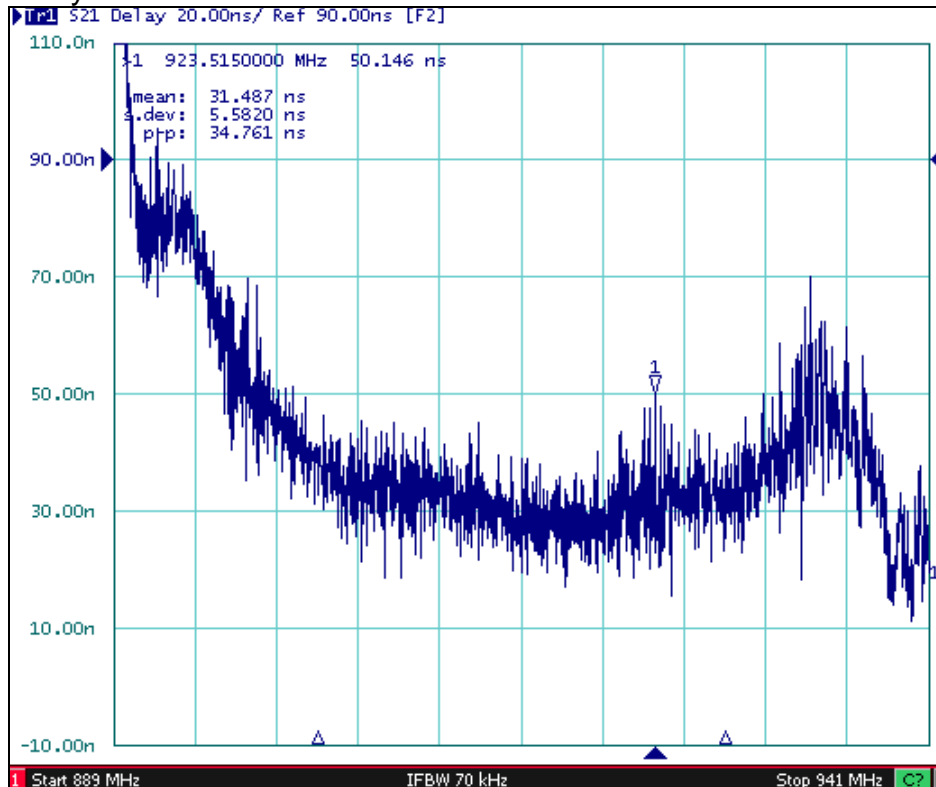
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3. Passband Response



4. Group Delay Variation



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5. Return Loss

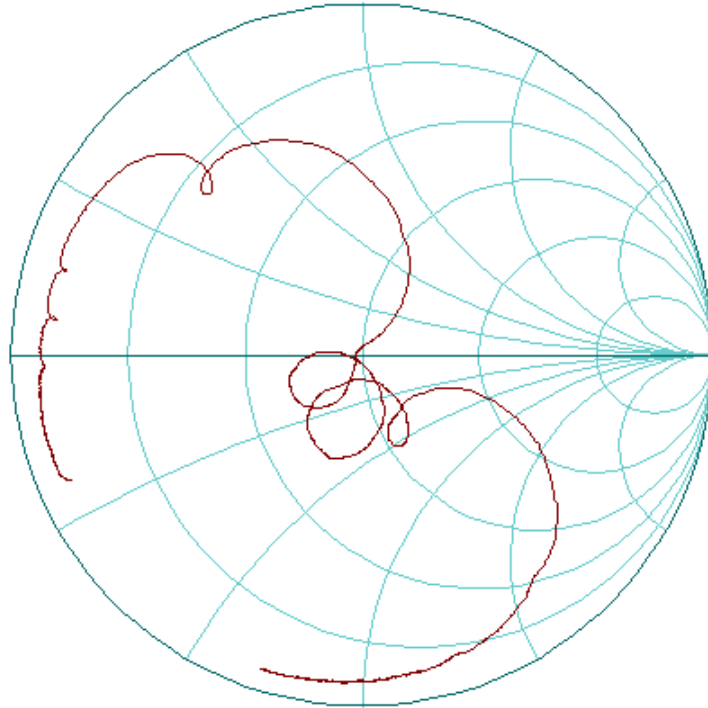


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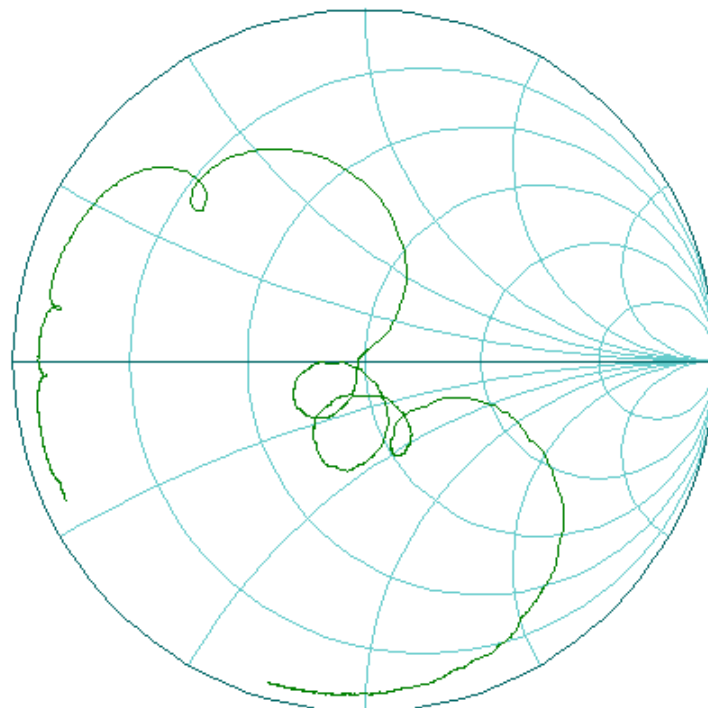
6. S11 Smith chart

▶ **S11** S11 Smith (R+jX) Scale 1.000U [F2]



7. S22 Smith chart

▶ **S22** S22 Smith (R+jX) Scale 1.000U [F2]

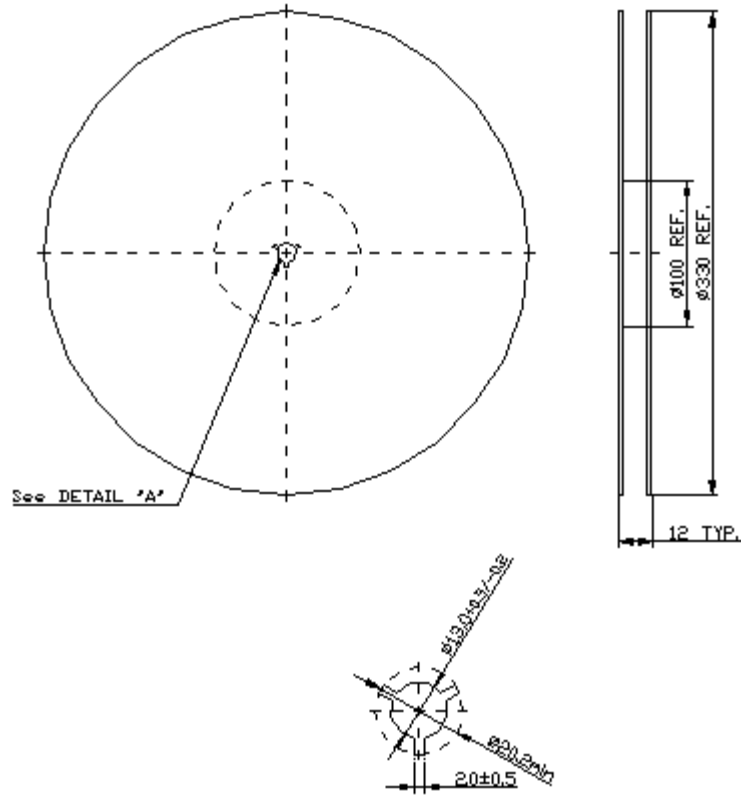


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G. PACKING:

1. Reel Dimension



2. Tape Dimension

