

SAW Filter 915.0MHz

Model: TA1102A

Part No: MP02566

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	-

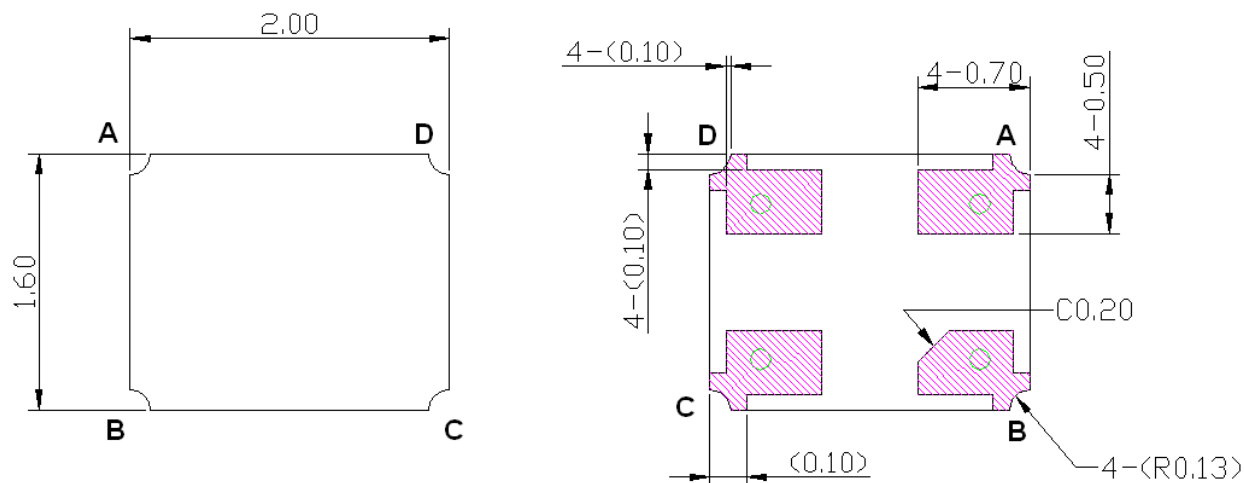
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C. OUTLINE DRAWING:



B: Input

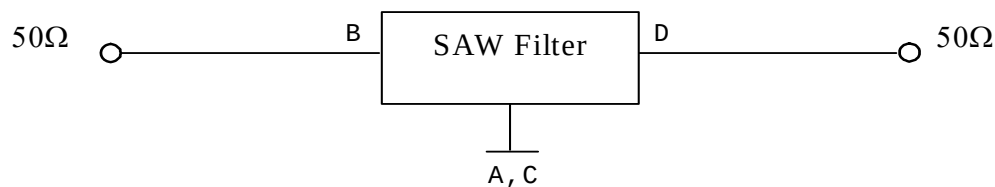
D: Output

A, C: Ground

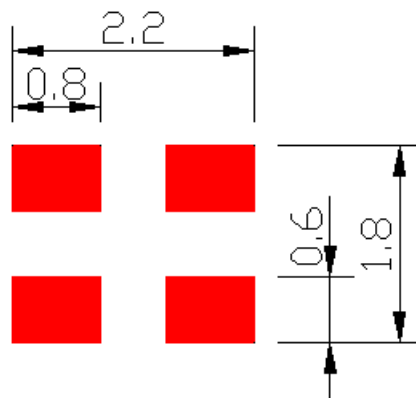
Unit: mm

D. MEASUREMENT CIRCUIT:

Network analyzer



E. PCB FOOTPRINT:

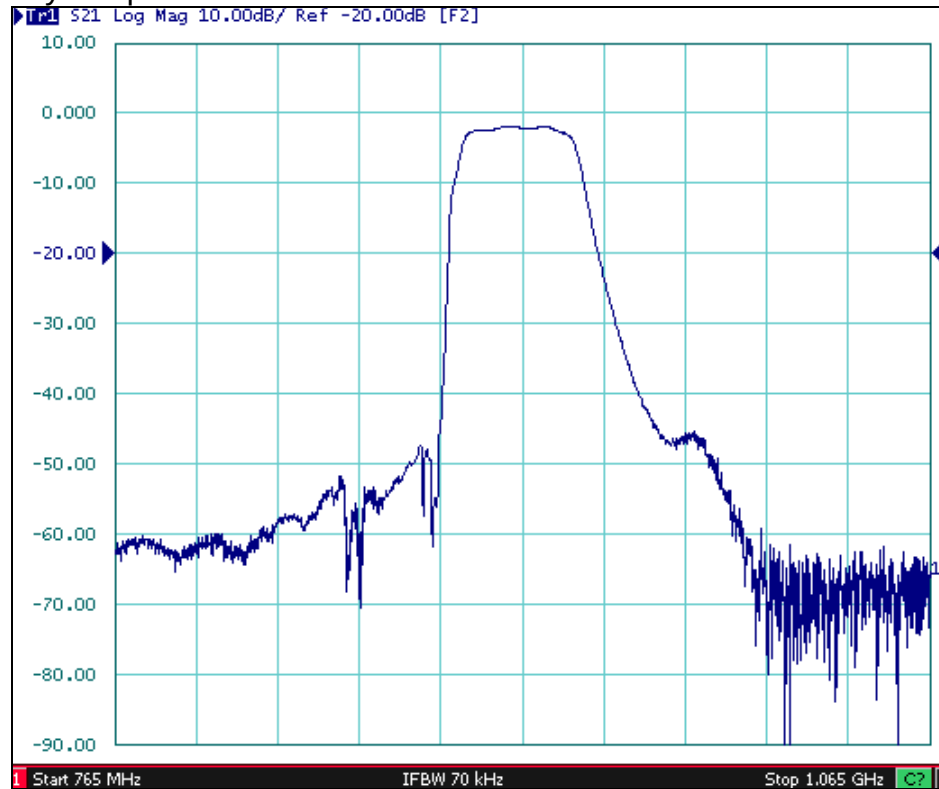


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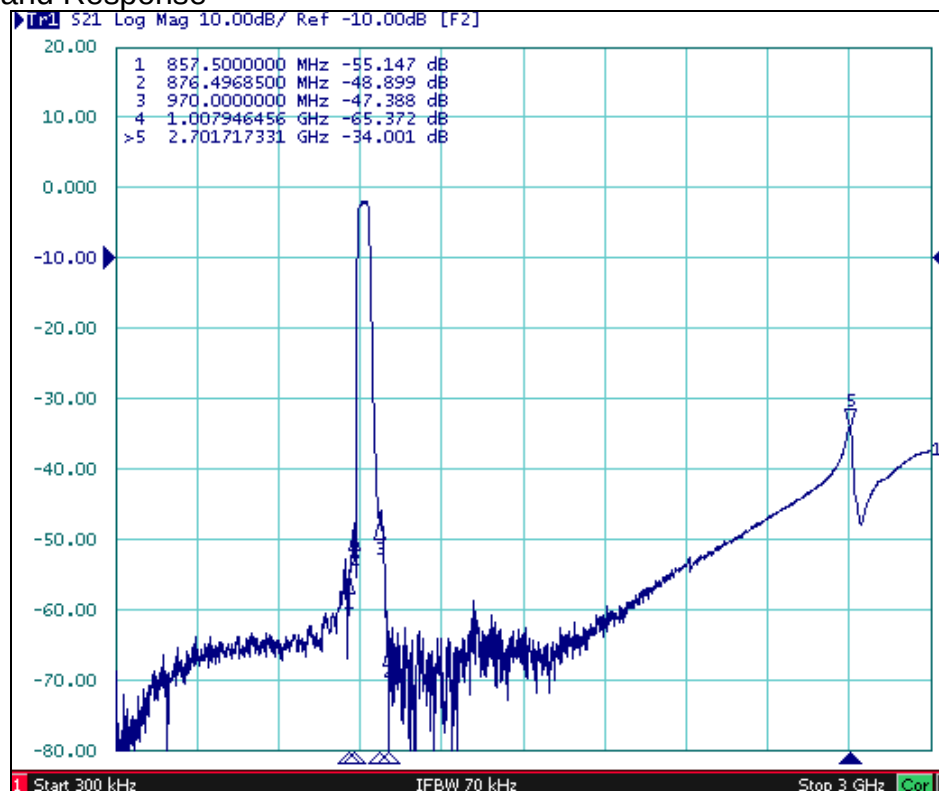
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F. FREQUENCY CHARACTERISTICS: (Measure Demo board)

1. Frequency Response



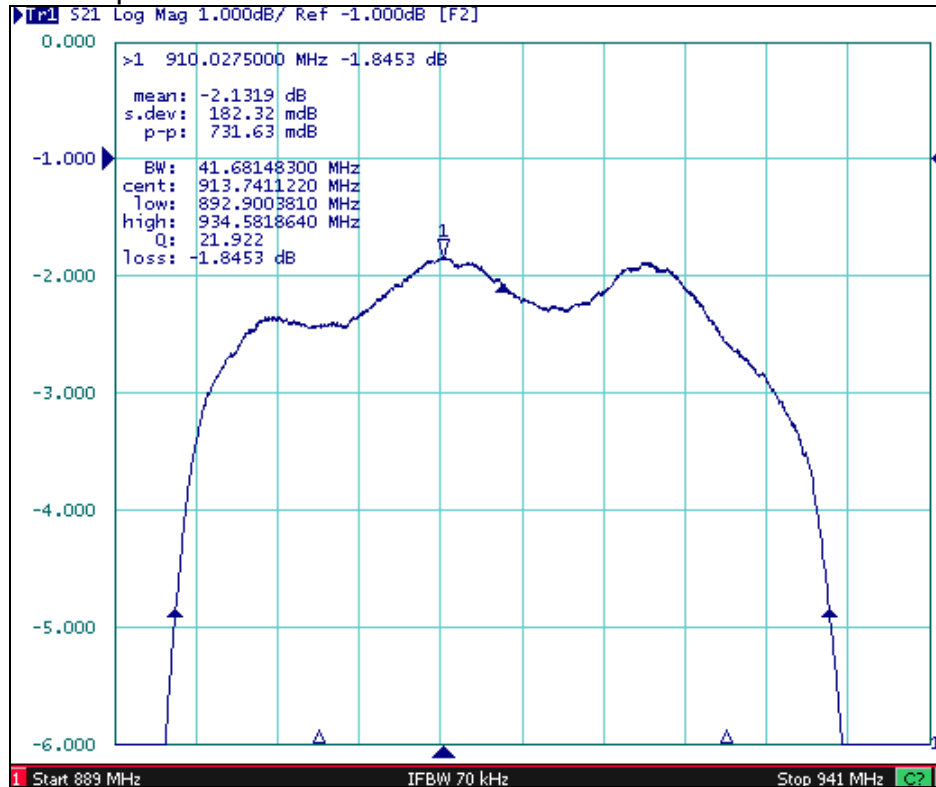
2. Wideband Response



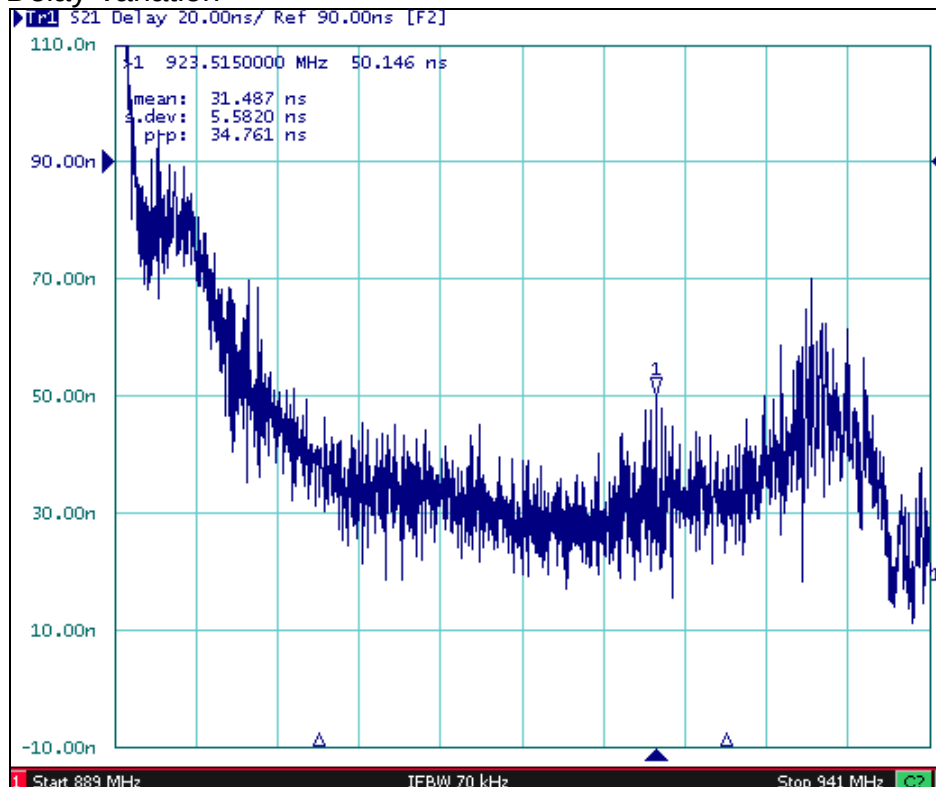
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3. Passband Response



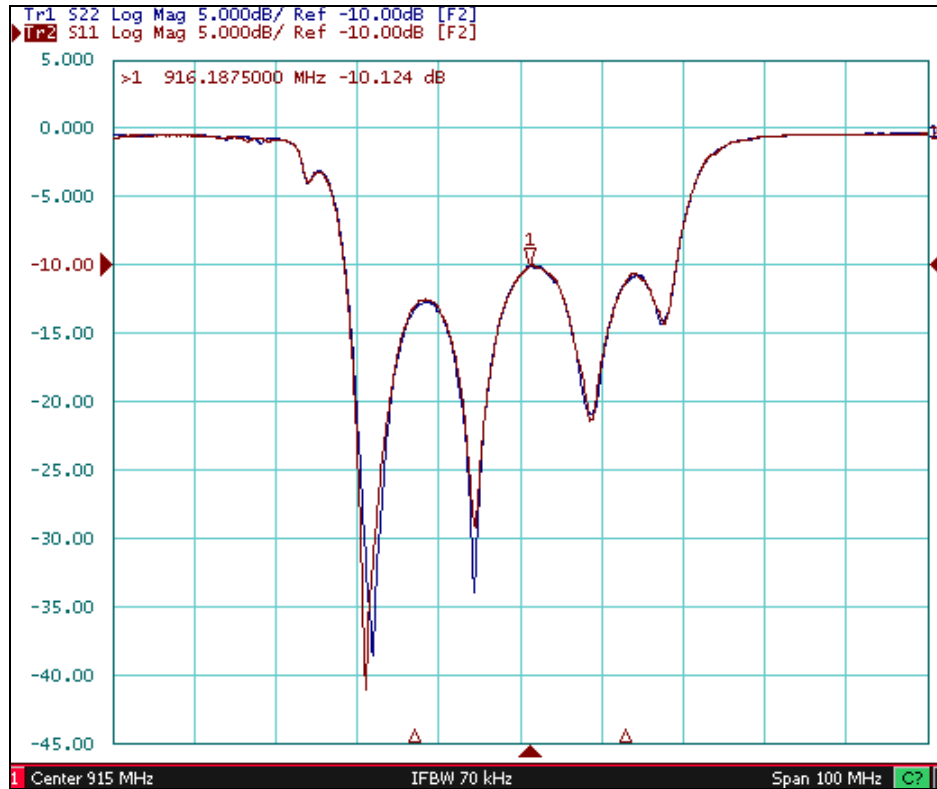
4. Group Delay Variation



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5. Return Loss

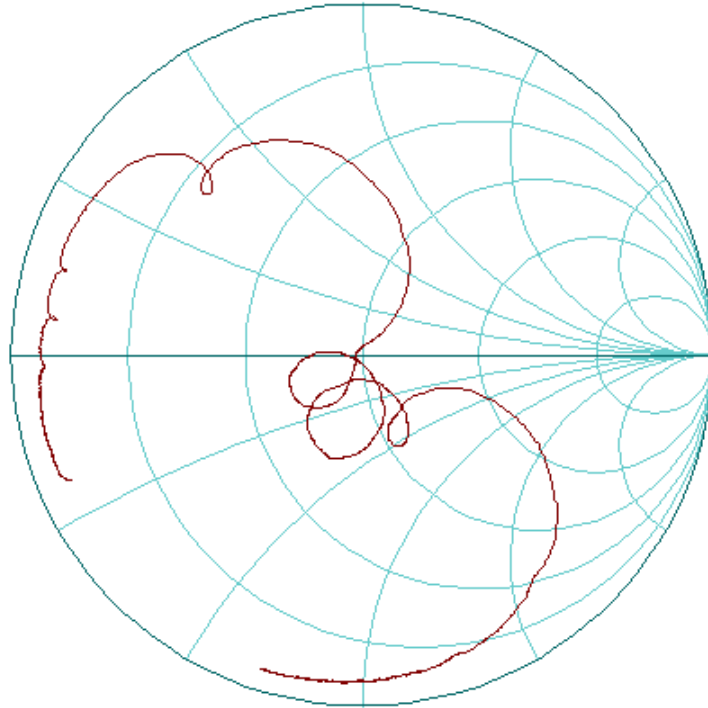


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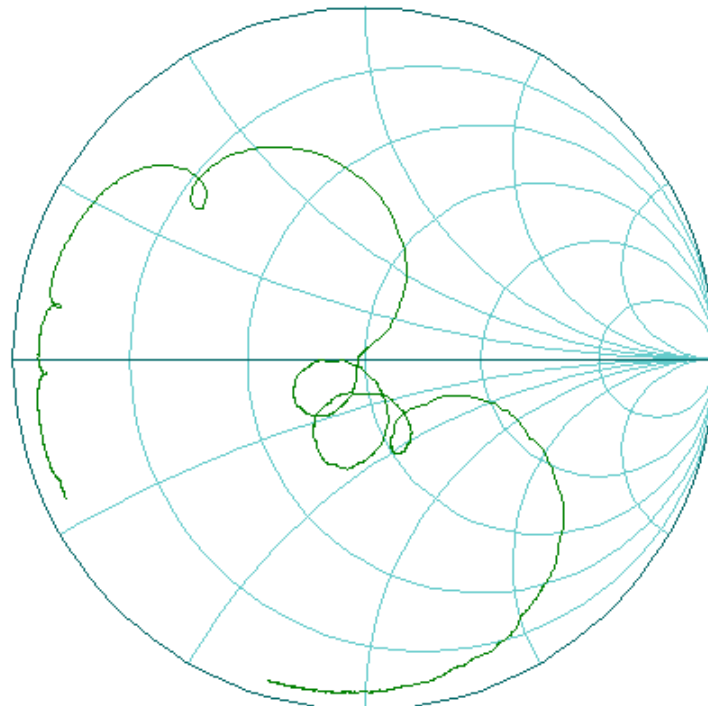
6. S11 Smith chart

► **Tr2** S11 Smith (R+jX) Scale 1.000U [F2]



7. S22 Smith chart

► **Tr3** S22 Smith (R+jX) Scale 1.000U [F2]

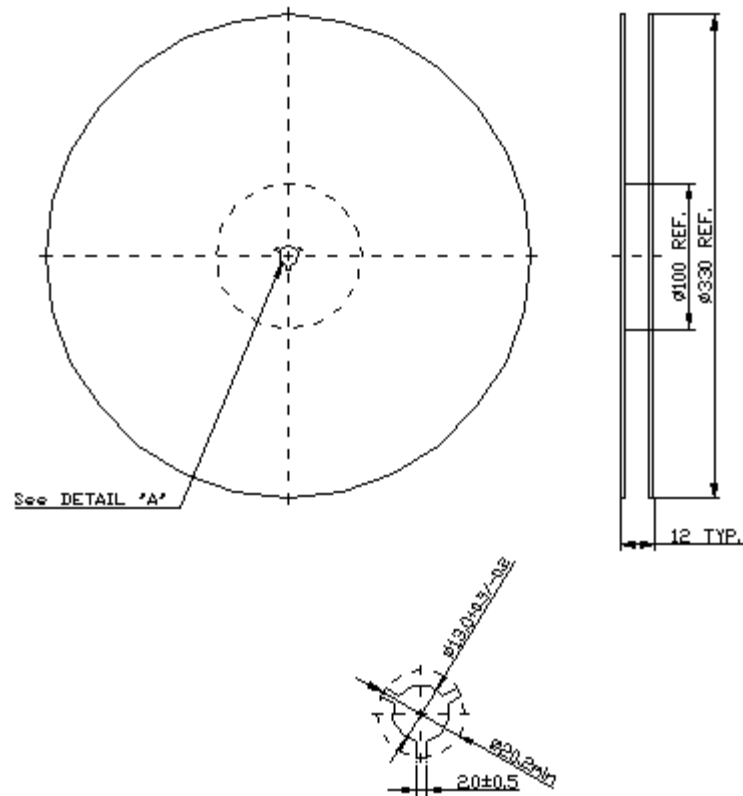


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G. PACKING:

1. Reel Dimension



2. Tape Dimension

