

SAW Filter: 873.0MHz

Model: TA1066A

Part No: MP04300

Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 15dBm
2. DC voltage: 5V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.
Center frequency Fc (MHz)	-	873	-
Min. Insertion loss IL (dB)	-	1.75	2.2
Amplitude ripple (870 ~ 876MHz) (dB)	-	0.2	1
Attenuation (Reference level from 0dB)			
D.C ~ 823MHz (dB)	30	50	-
923 ~ 1600MHz (dB)	30	45	-
1600 ~ 2000MHz (dB)	25	45	-
2000 ~ 3000MHz (dB)	15	30	-
Return Loss (870 ~ 876MHz) (dB)	10	13	-
Source impedance Zs (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

Note: No matching network required for operation at 50Ω

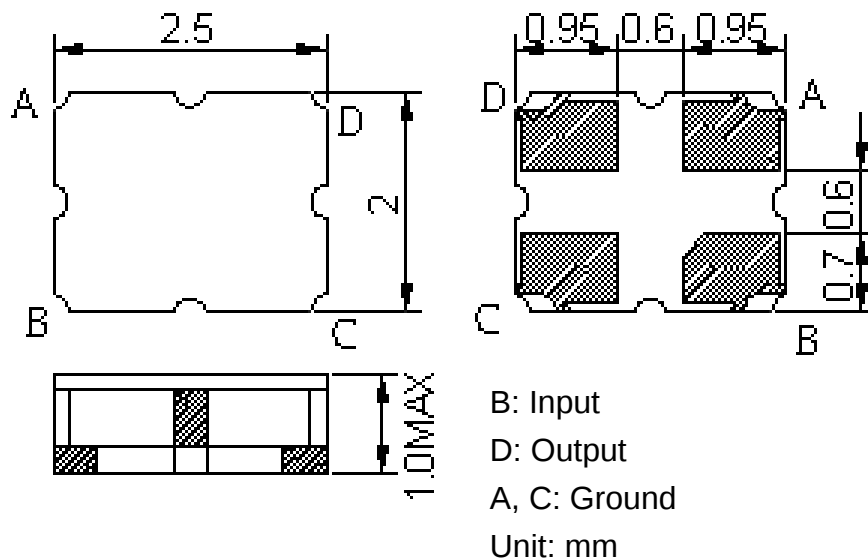
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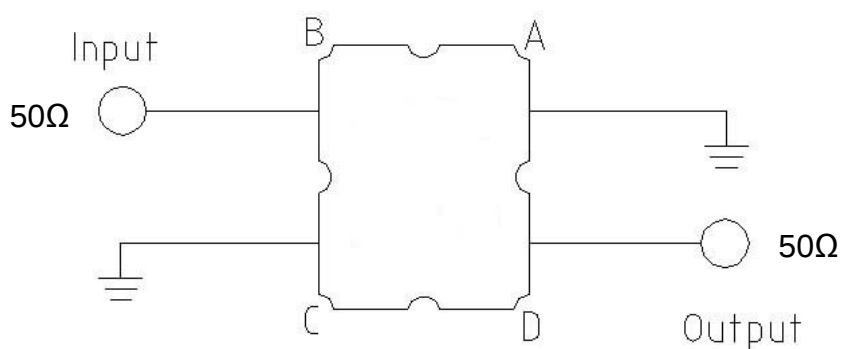
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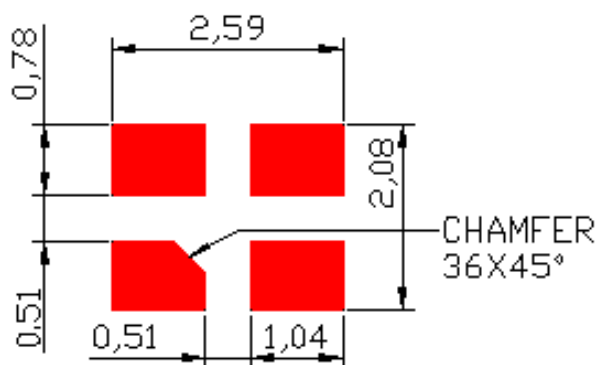
C. OUTLINE DRAWING:



D. MEASUREMENT CIRCUIT:



E. PCB FOOTPRINT:



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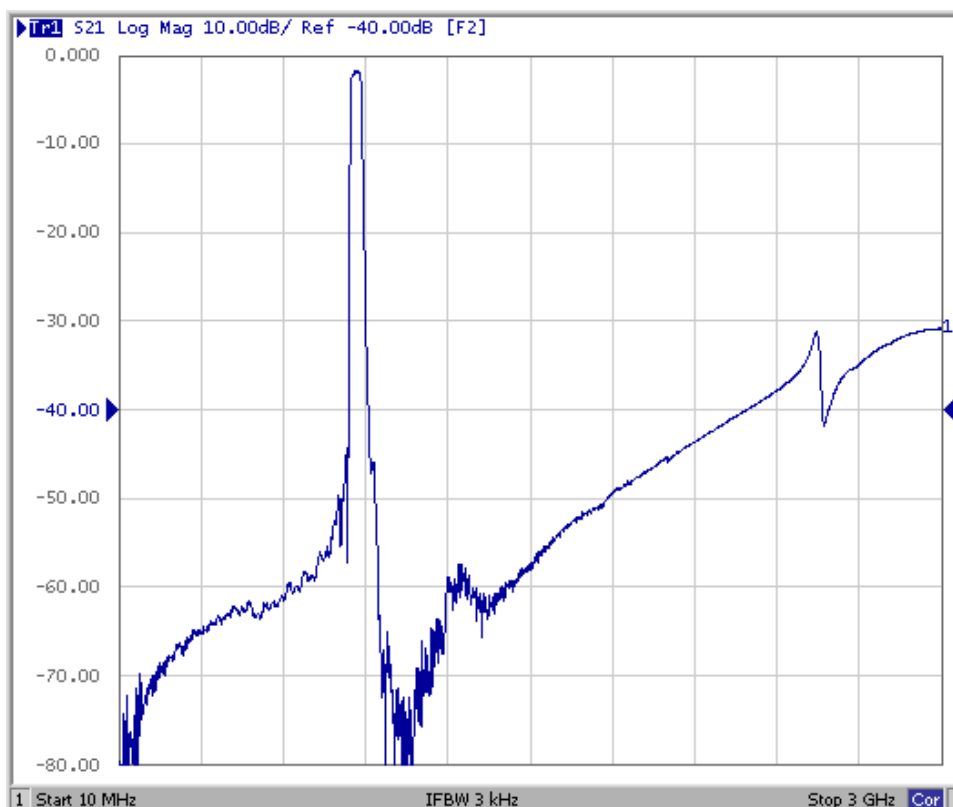
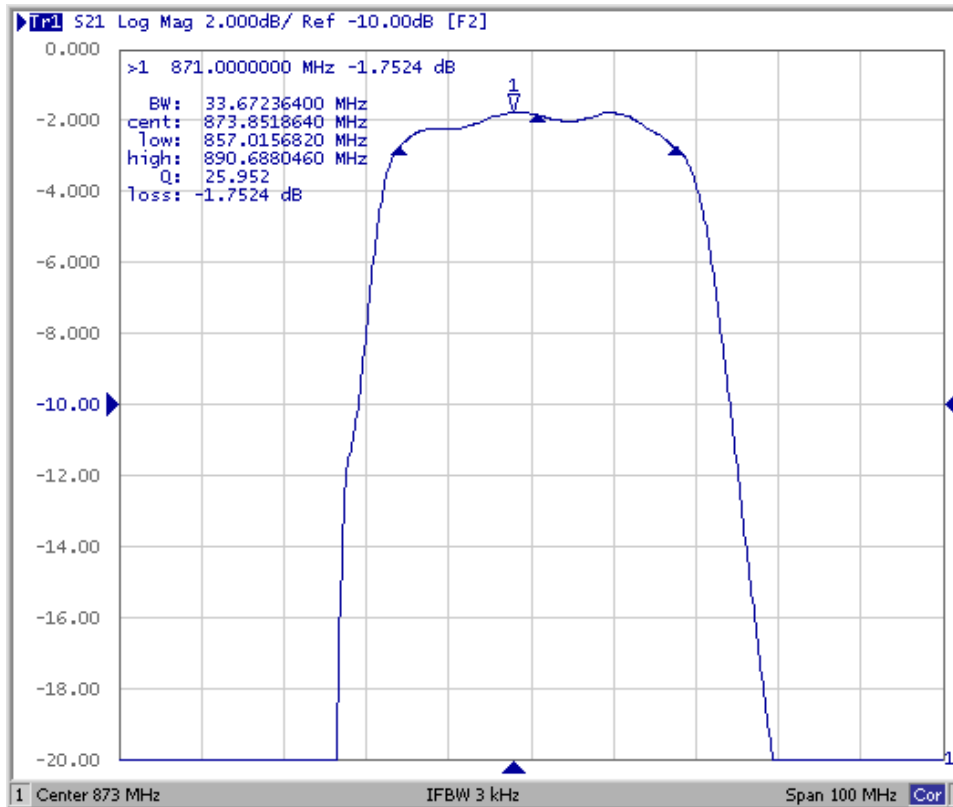
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F. FREQUENCY CHARACTERISTICS:

1. Transfer function

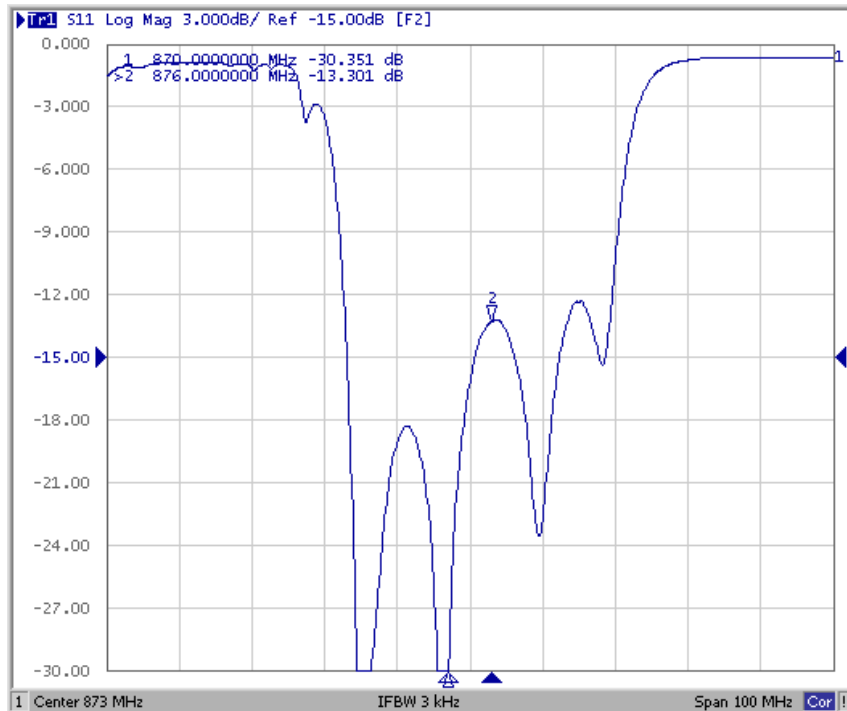


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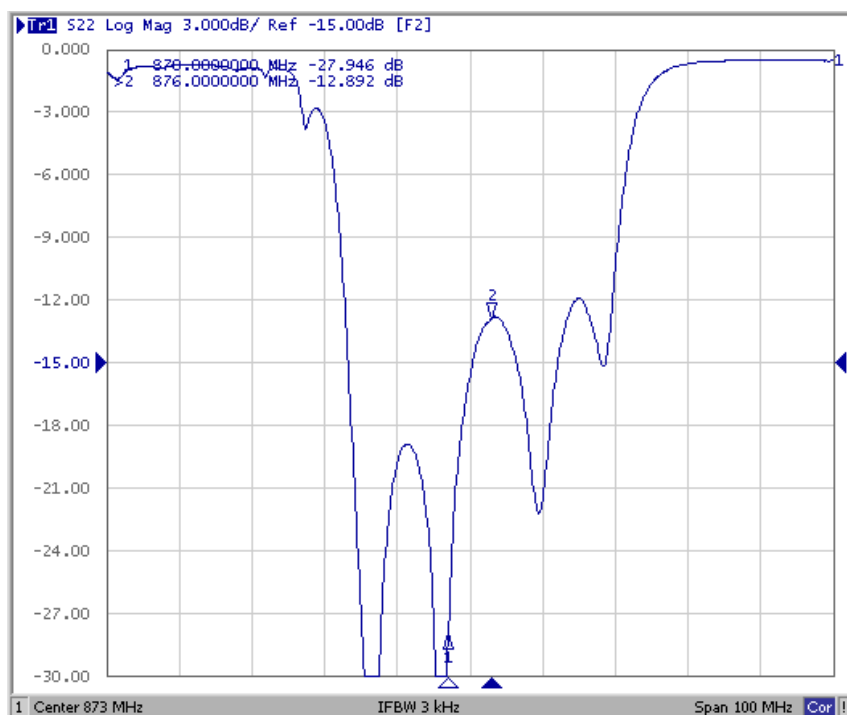
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2. Reflections Functions

S11 Return Loss



S22 Return Loss

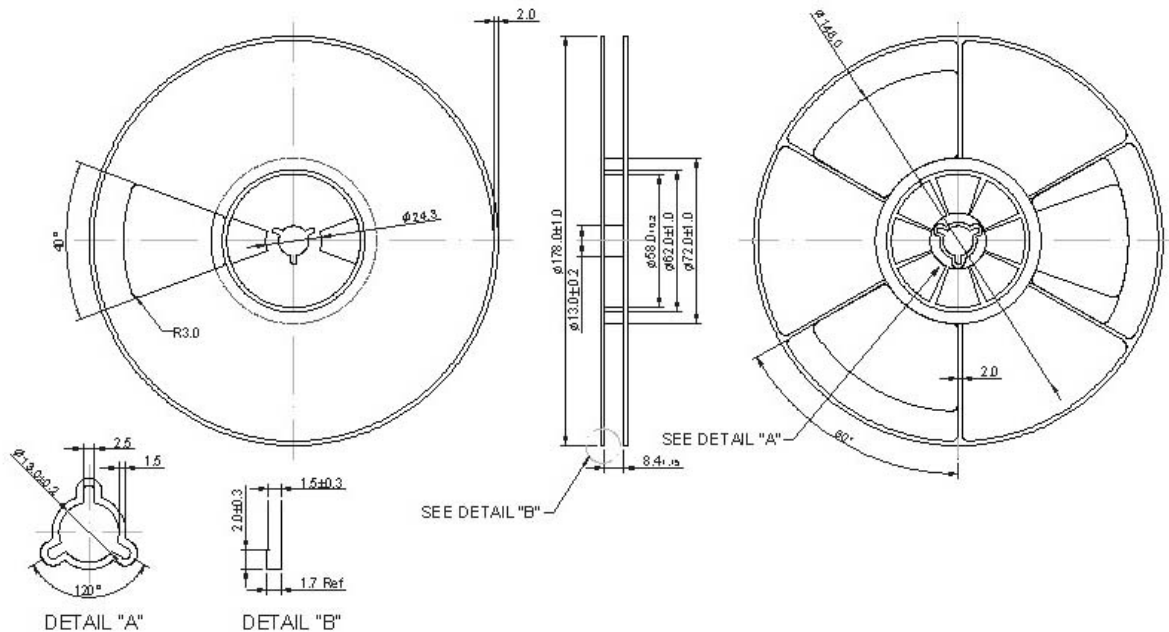


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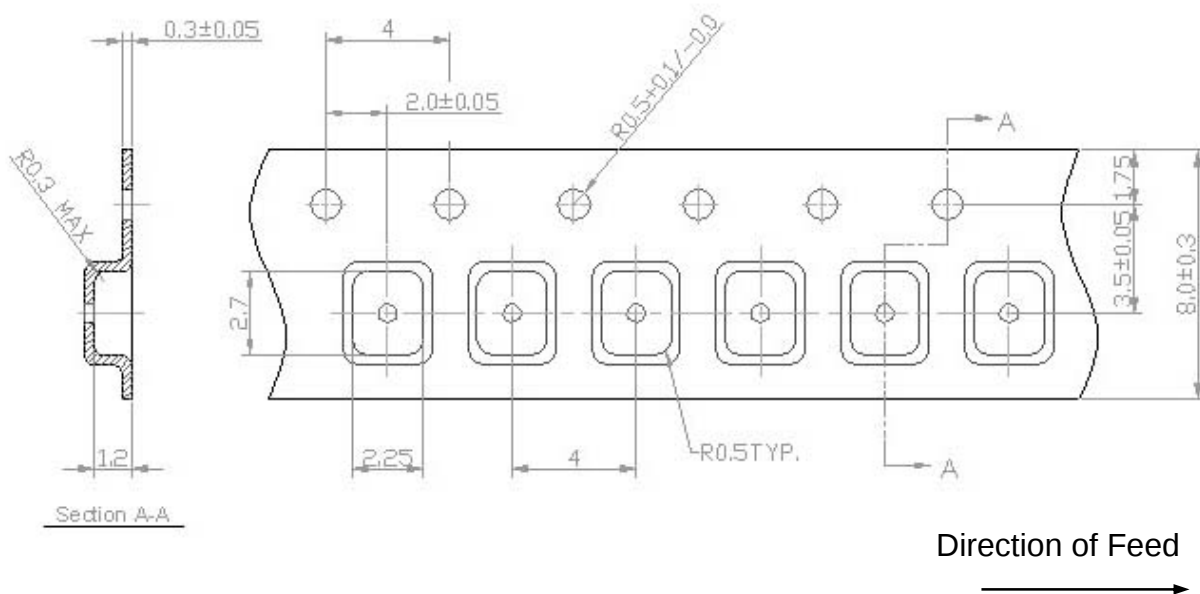
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G. PACKING:

1. Reel Dimension



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

