
110.5920MHz SAW Filter

Model: TB0603A

Part No: MA09828

REV NO.: 1

A. MAXIMUM RATING:

1. Operating Temperature: -40°C ~ +85°C
2. Storage Temperature: -40°C ~ +85°C
3. Input Power Level: 10dBm

B. CHARACTERISTICS:

1. Ambient Temperature: 25°C
2. Terminating Source Impedance: Single ended 50 ohm
3. Terminating Load Impedance: Single ended 50 ohm

Item	Unit	Min.	Typ.	Max.
Center frequency, Fc	MHz	-	110.592	-
Insertion Loss, IL	dB	-	8.6	10
3 dB Bandwidth	MHz	1.152	1.44	-
Group Delay Variation Fc ± 0.576	nsec	-	150	200
Rejection				
DC to Fc-3.4MHz		38	42	-
Fc-3.4MHz to Fc-1.728MHz	dB	28	42	-
Fc+1.728MHz to Fc+3.4MHz		28	34	-
Fc+3.4MHz to 200MHz		38	42	-

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C. FREQUENCY CHARACTERISTICS:

1. S21 Response

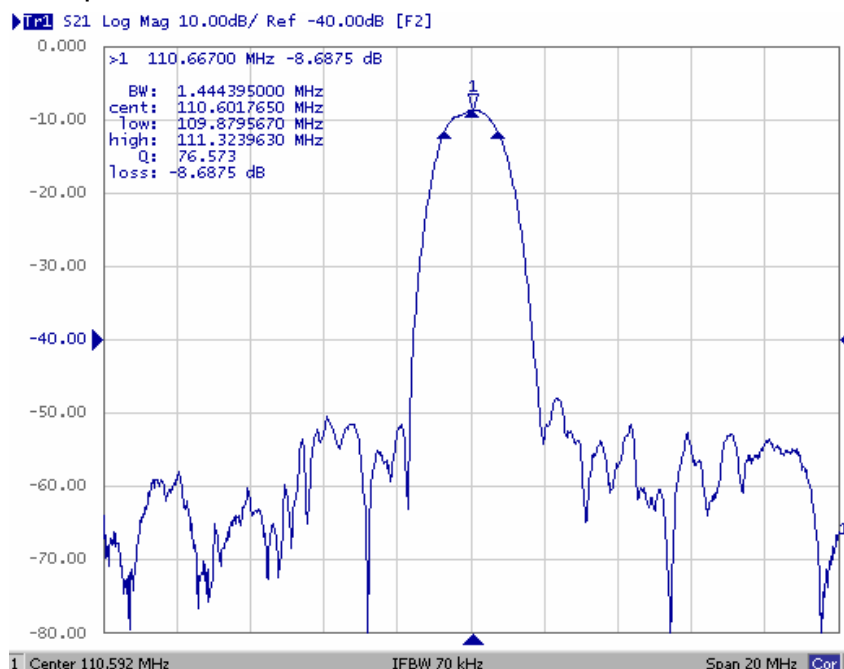


Fig. 1 Horizontal: 2MHz/Div; Vertical: 10dB/Div

2. Passband Response

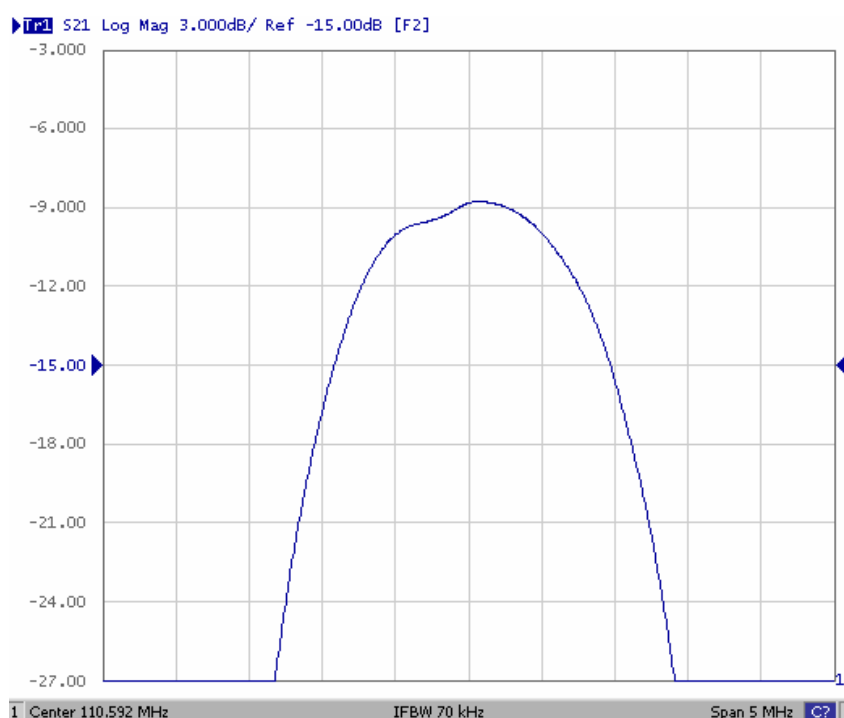


Fig. 2 Passband Horizontal: 0.5MHz/Div; Vertical: 3dB/Div

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3. Group Delay

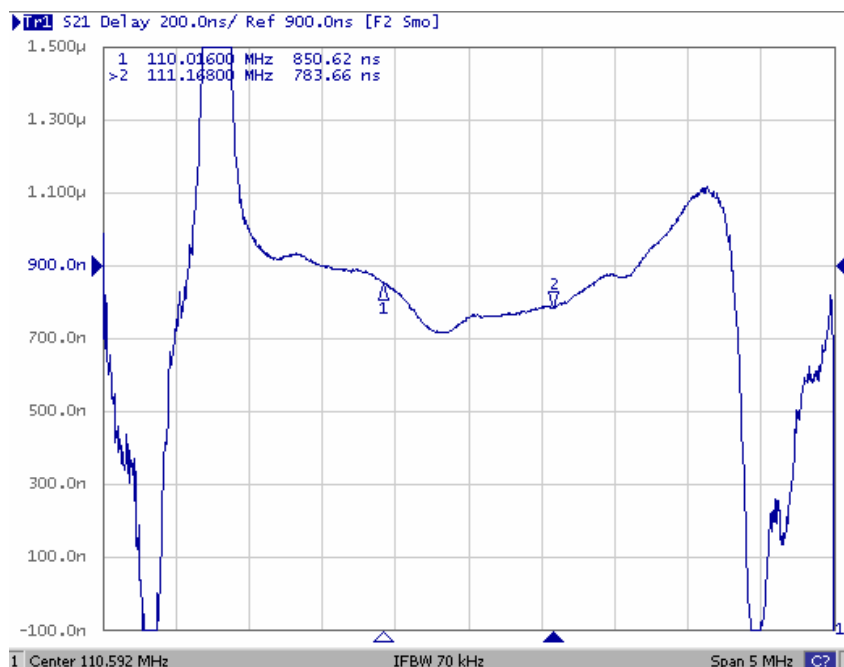
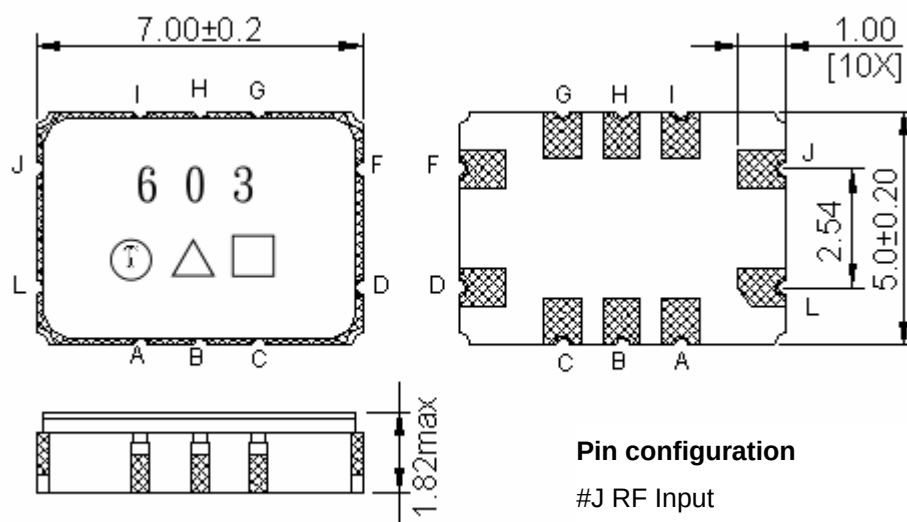


Fig. 3 Passband Horizontal: 0.5MHz/Div; Vertical: 200nS/Div

D. OUTLINE DRAWING:



Pin configuration

- #J RF Input
- #L RF Input ground
- #D RF Output
- #F RF Output ground
- #A,B,C,G,H,I To be ground

Unit : mm

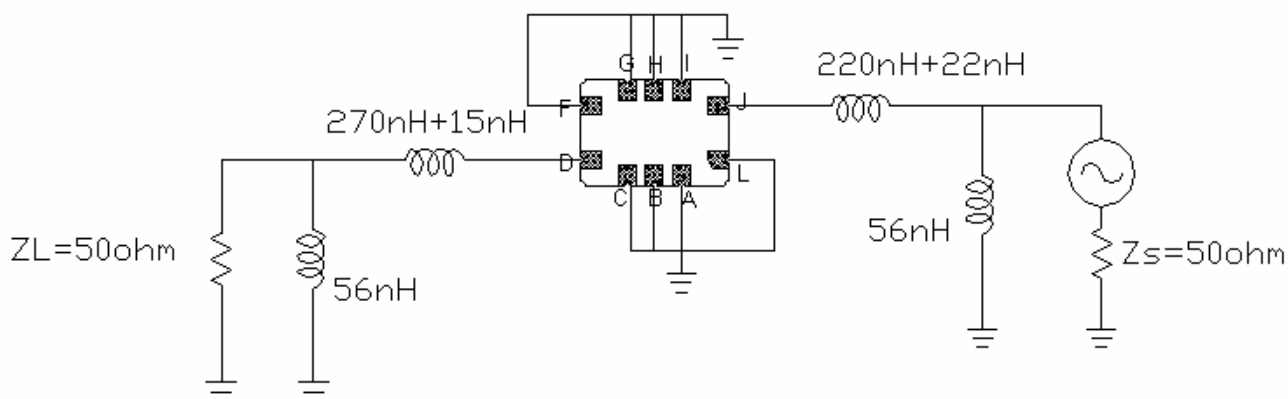
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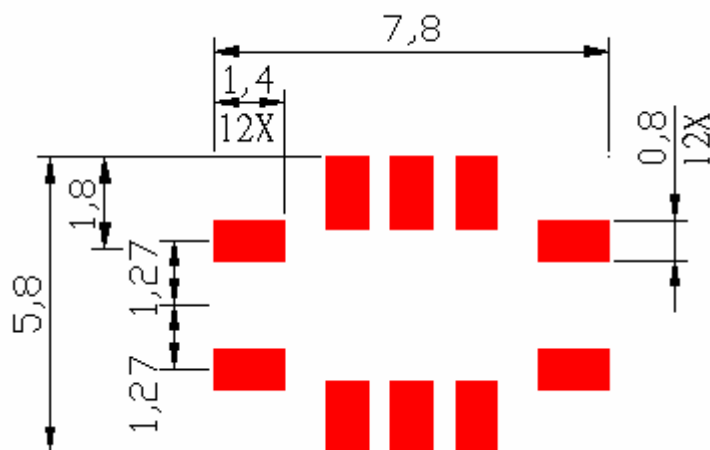
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E. MEASUREMENT CIRCUIT:



F. PCB FOOTPRINT:



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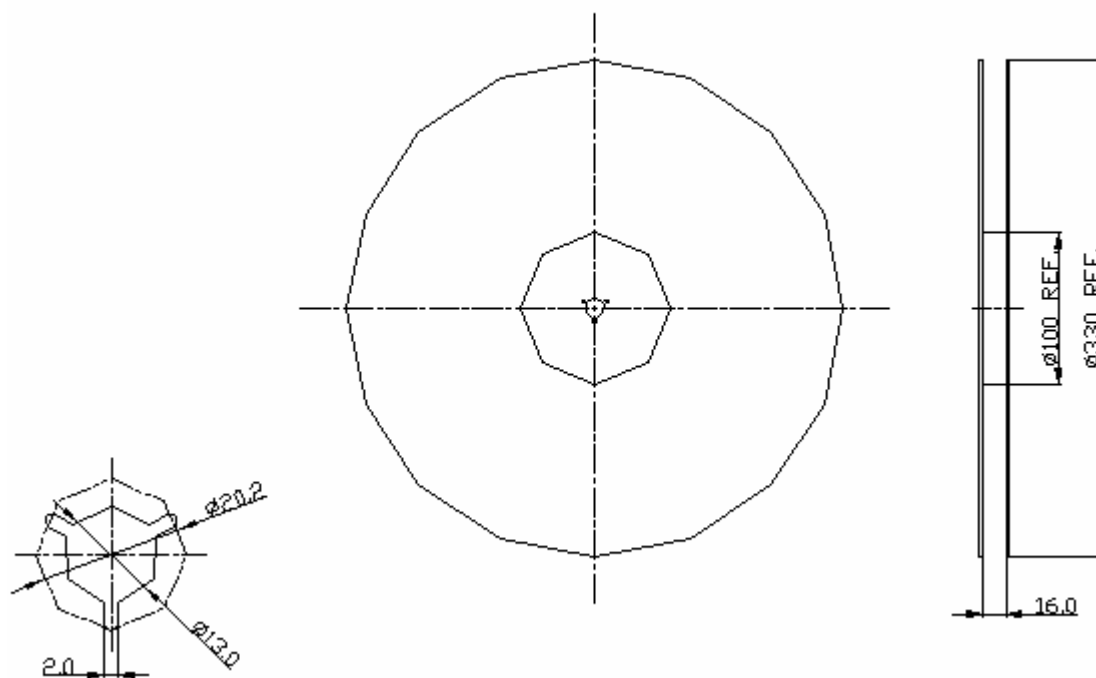
Model: TB0603A

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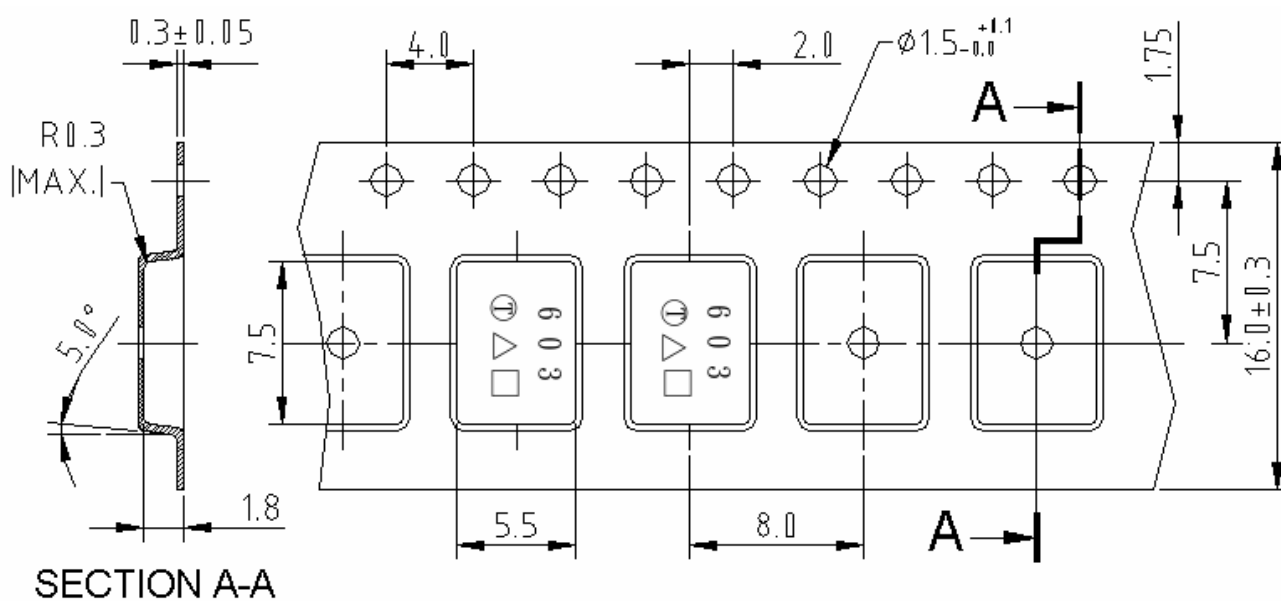
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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



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H. RECOMMENDED REFLOW PROFILE:

