

**SAW Filter 609.90MHz**  
**Part No: MP04077**

**Model: TA0800A**  
**Rev No:1**

**A. MAXIMUM RATING:**

1. Input Power Level: 10dBm
2. DC voltage: 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

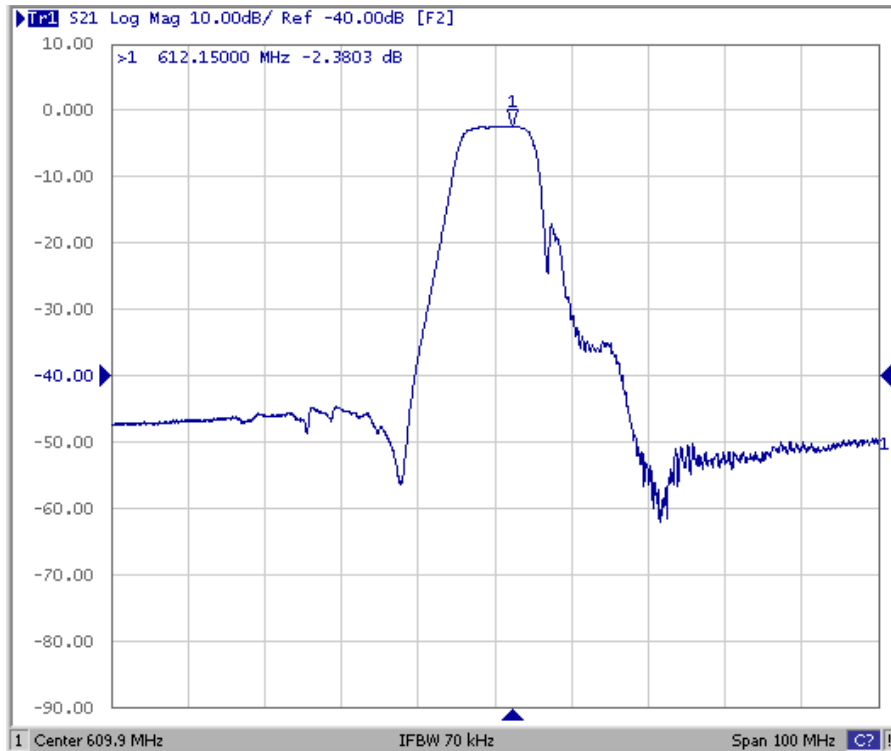
Item	Unit	Min	Typ.	Max.
Center frequency Fc	MHz	-	609.9	-
Insertion loss at Fc IL	dB	-	2.4	3.5
1dB bandwidth	MHz	3	8.76	-
3dB bandwidth	MHz	5	10.08	-
Ripple (608.4 ~ 611.4MHz)	dB	-	0.2	1.0
Group Delay (608.4 ~ 611.4MHz)	ns	-	35	135
Attenuation (Reference level from IL)				
10 ~ 590MHz	dB	40	43	-
590 ~ 600MHz	dB	8	33	-
620 ~ 630MHz	dB	8	28	-
630 ~ 700MHz	dB	40	48	-

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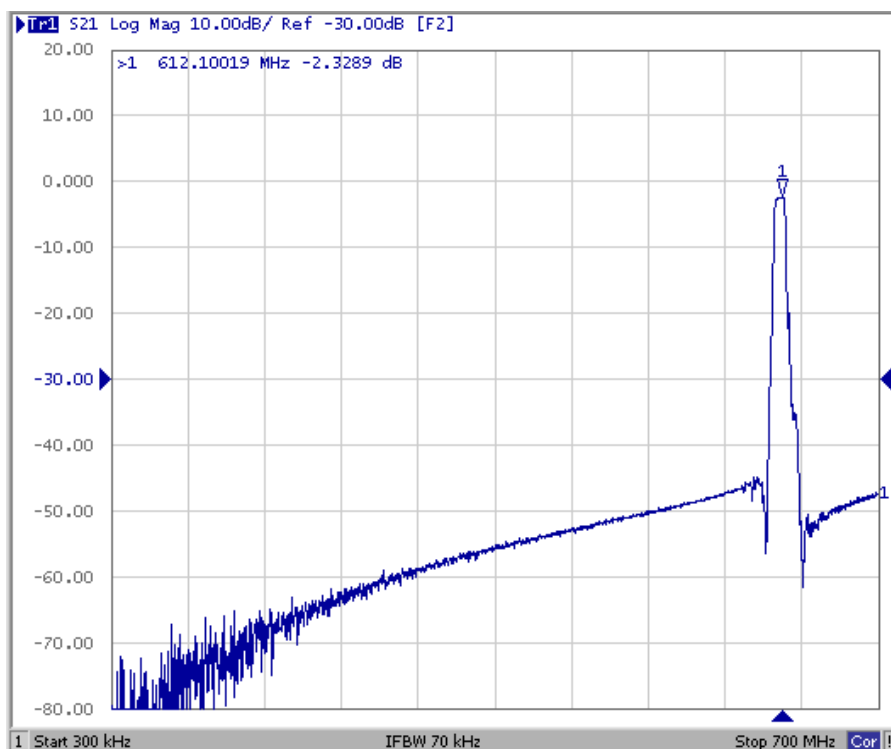
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**C. FREQUENCY CHARACTERISTICS:**

1. Wide band Response: (span 100MHz)



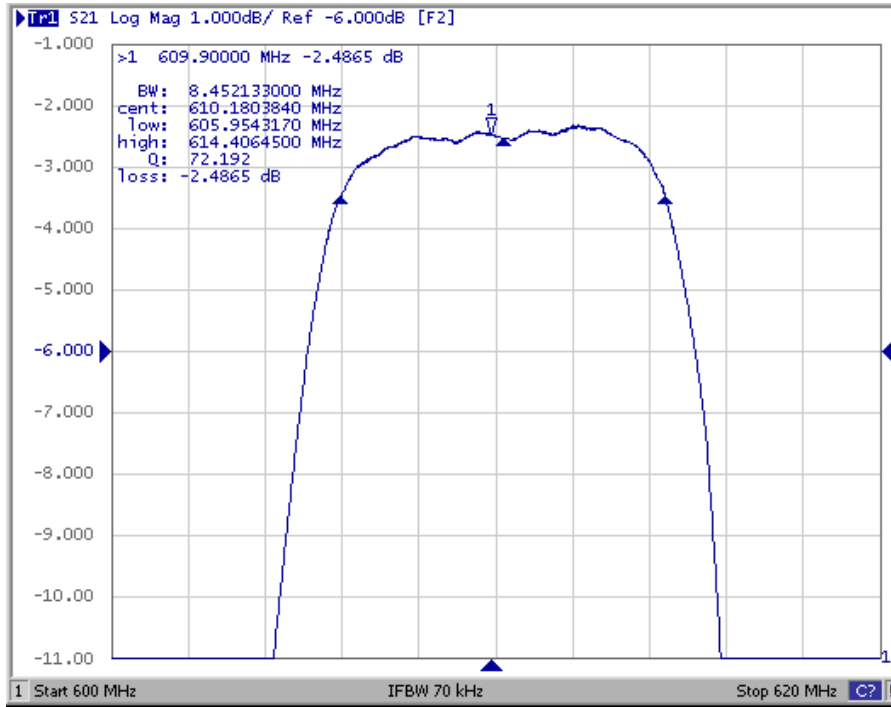
2. Wide band Response: (0 ~ 700MHz)



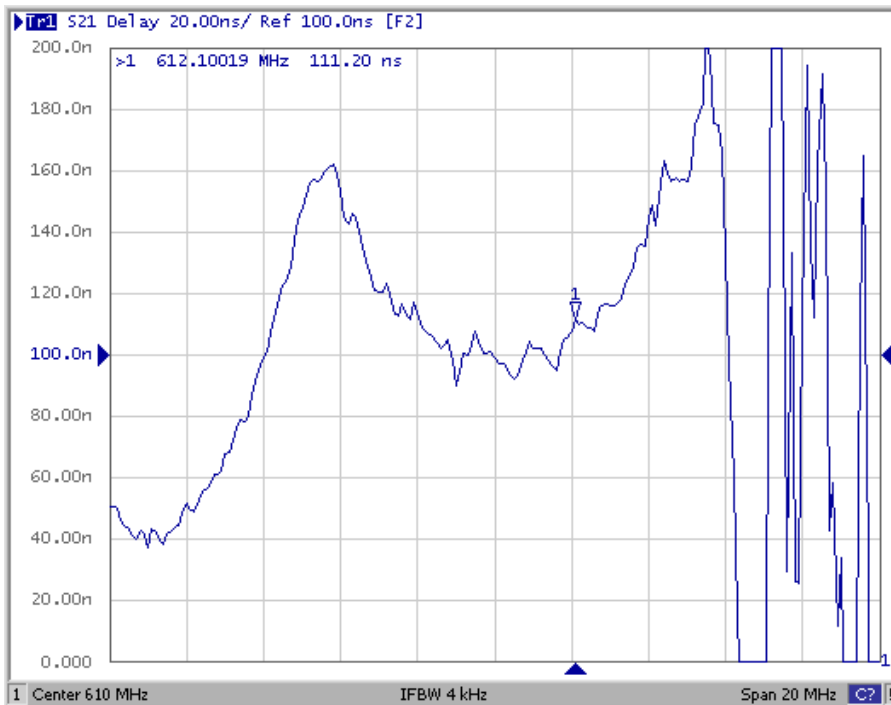
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### 3. Pass band Response Variation: (span 20MHz)



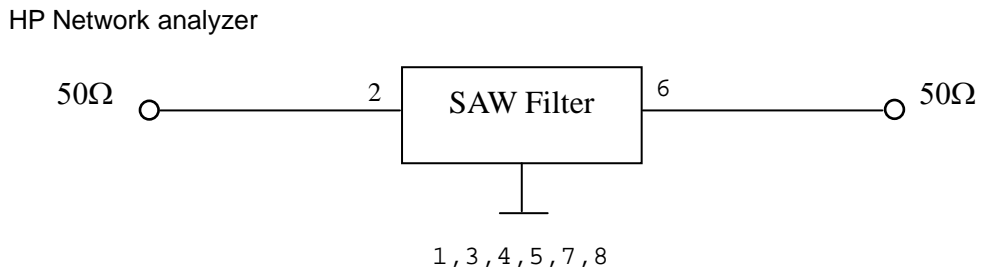
### 4. Group Delay Variation: (span 20MHz)



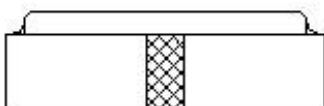
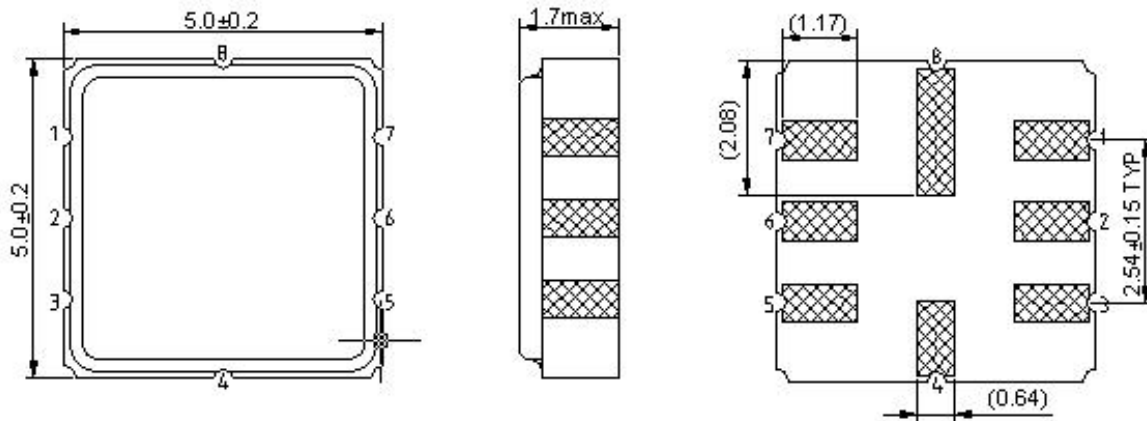
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**D. MEASUREMENT CIRCUIT:**



**E. OUTLINE DRAWING:**



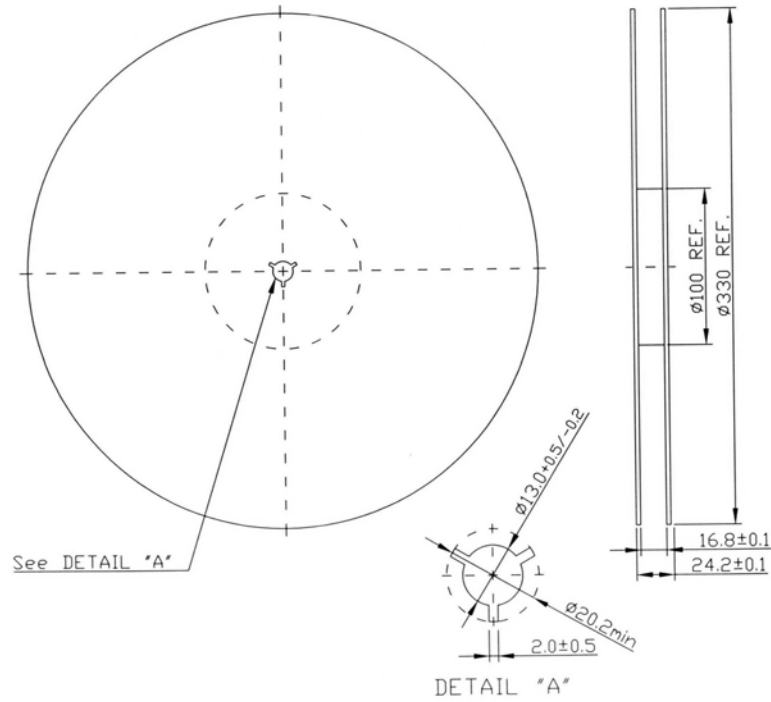
2: Input  
 6: Output  
 1, 3, 4, 5, 7, 8: Ground  
 Unit: mm

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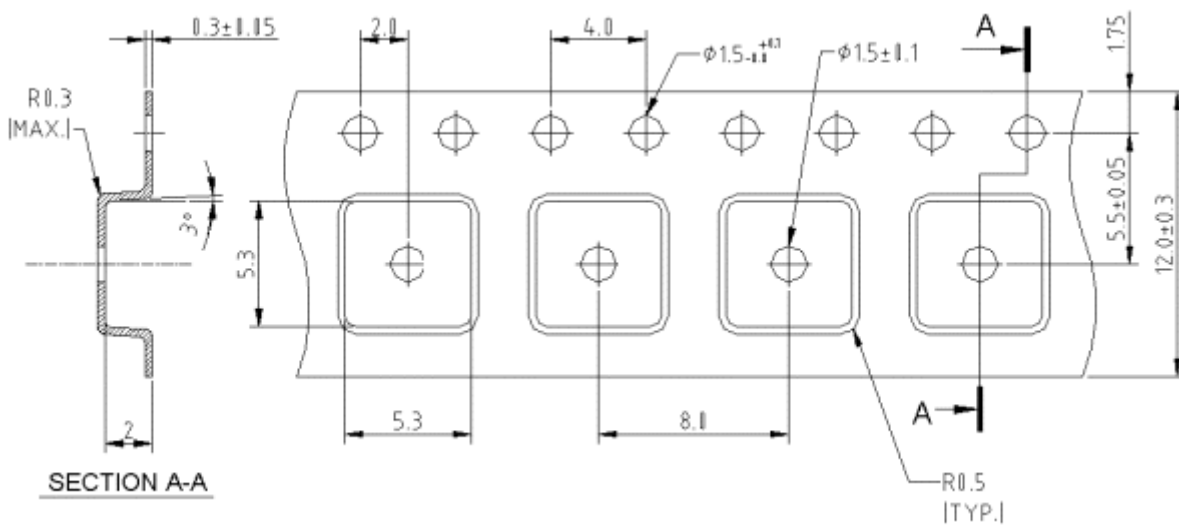
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**F. PACKING:**

1. Reel Dimension



2. Tape Dimension



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**G. RECOMMENDED REFLOW PROFILE:**

