

**SAW Filter 666.6670MHz**  
**Part No: MP03907**

**Model: TB0354A**  
**Rev No: 1**

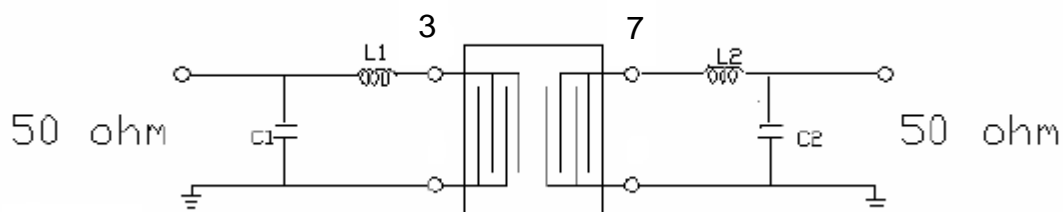
**A. MAXIMUM RATING:**

1. Input Power Level: 0dBm
2. Operating Temperature: -40°C to 85°C
3. Storage Temperature: -40°C to 85°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.	Note
Center frequency Fc	MHz	-	666.667	-	-
Insertion Loss IL	dB	-	8.1	10	-
Passband width BW3	MHz	4.5	8.3	-	-
Amplitude Ripple in Fc ± 1MHz	dB	-	0.85	1	-
Group delay ripple in Fc ± 1MHz	nS	-	80	100	-
Phase Linearity in Fc ± 1MHz	deg		2.2	4	
Attenuation: (Reference level from Min IL)					
10MHz to 626MHz	dB	35	40	-	-
626MHz to 651MHz	dB	30	34	-	-
683MHz to 707MHz	dB	30	34	-	-
707MHz to 900MHz	dB	35	40	-	-

**C. MEASUREMENT CIRCUIT:**



Input L1 = 5.6nH, C1 = 8.2pF, Output L2 = 5.6nH, C2 = 7pF

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**D. FREQUENCY CHARACTERISTICS:**

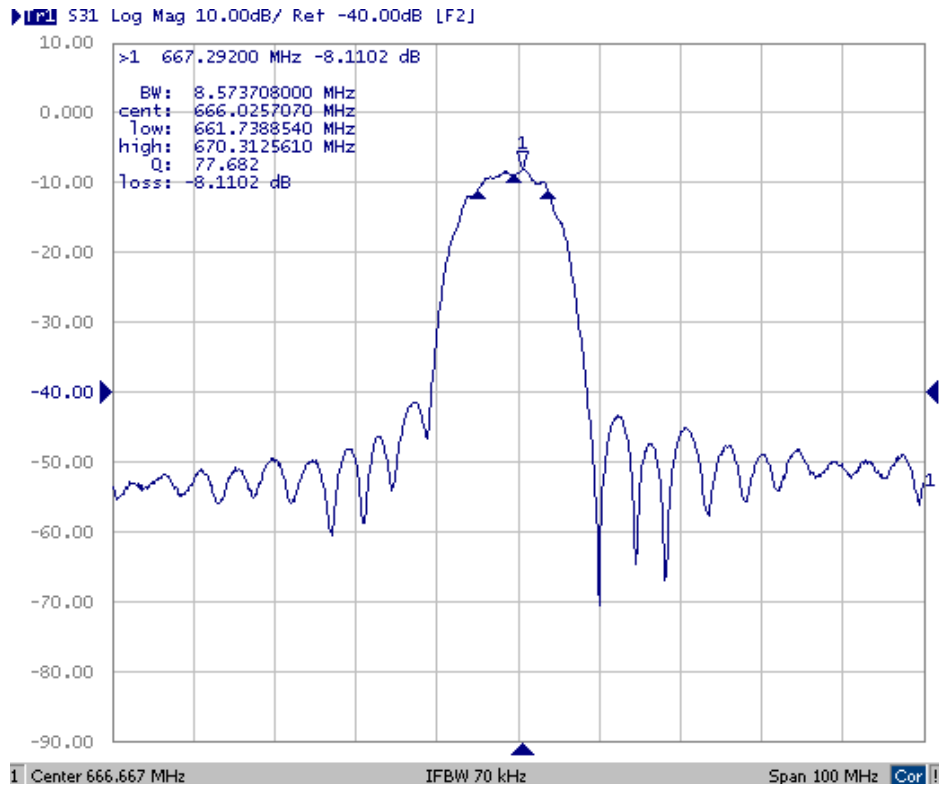


Fig. 1. S21 Response Horizontal: 10MHz/Div, Vertical: 10dB/Div

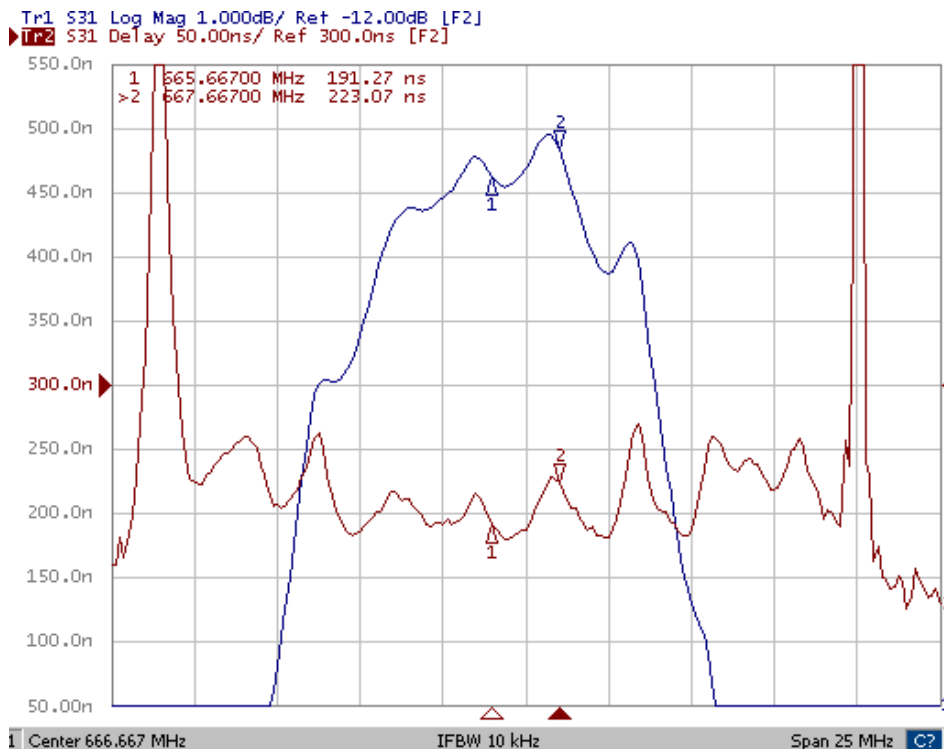
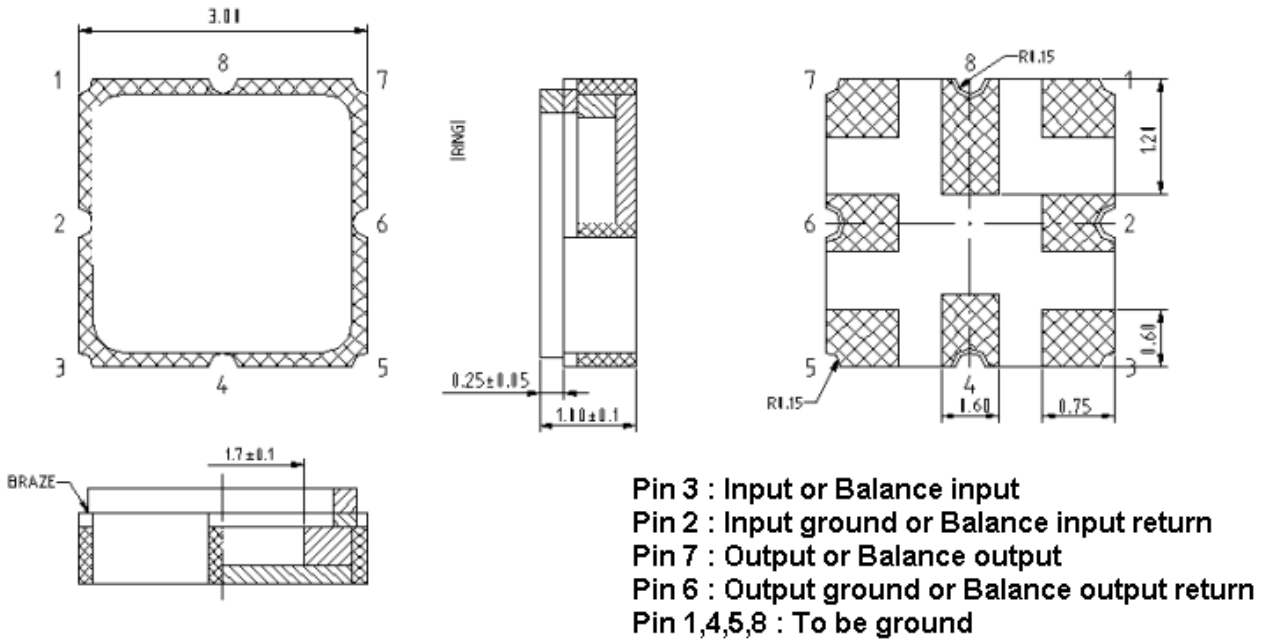


Fig. 2. Horizontal: 2.5M Hz/Div, Vertical: 1dB/Div, Vertical: 50ns/Div

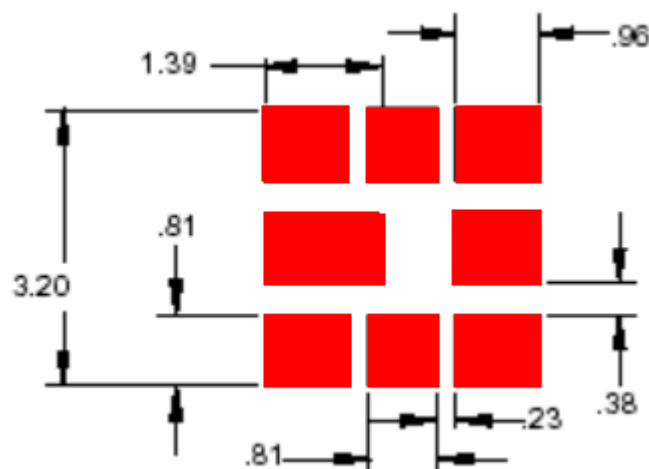
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**E. OUTLINE DRAWING:**



**F. PCB FOOTPRINT:**

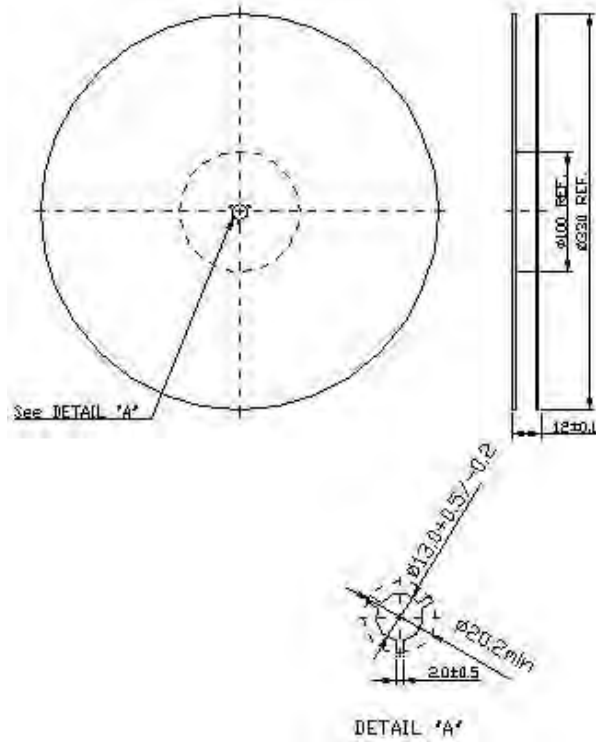


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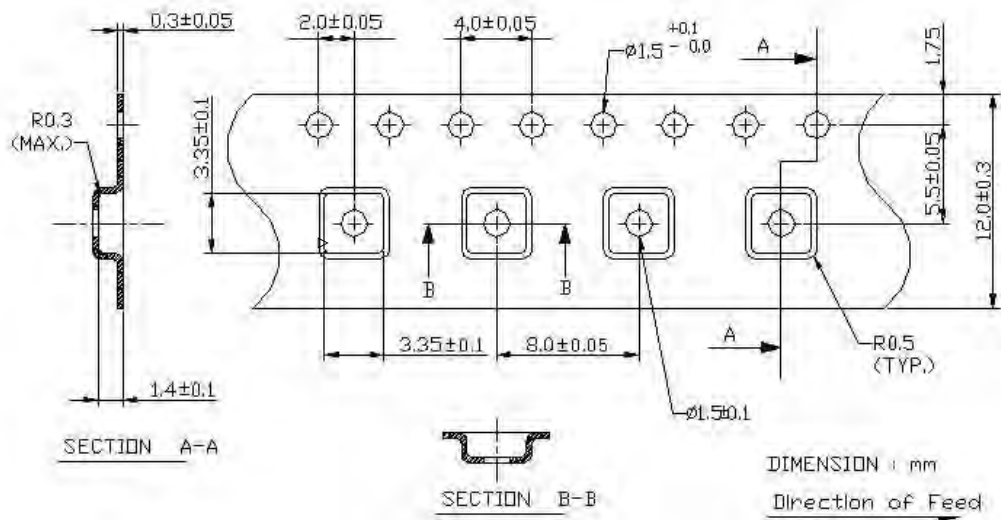
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**G. PACKING:**

**1. REEL DIMENSION**



**2. TAPE DIMENSION**



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**H. RECOMMENDED REFLOW PROFILE:**

