

**SAW Filter 360.0MHz**  
**Part No: MA05176**

**Model: TB360EC**  
**Rev No: 5**

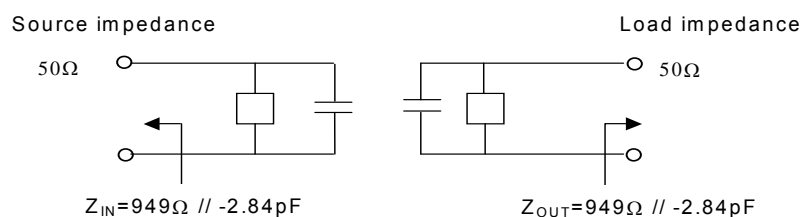
**A. MAXIMUM RATING:**

1. Input Power Level: 5dBm
2. Operating Temperature: -20°C to 75°C
3. Storage Temperature: -35°C to 85°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.	Note
Center frequency Fc	MHz	-	360	-	1
Insertion Loss IL	dB	-	4.2	5.0	1
Passband Ripple in Fc ± 67.7kHz	dB	-	0.4	1.5	1
Group delay ripple in Fc ± 67.76kHz GD	µs	-	0.5	2.0	1
Attenuation: (Reference level from Min IL)					
Fc ± 0.4 to Fc ± 0.6MHz	dB	29	40	-	
Fc ± 0.6 to Fc ± 0.8MHz	dB	42	70	-	
Fc -0.8 to Fc -3.0MHz	dB	50	61	-	
Fc -3.0 to Fc -57MHz	dB	52	62	-	
Fc -57 to Fc -77MHz	dB	49	69	-	
Fc -77 to Fc -115MHz	dB	52	69	-	
Fc +0.8 to Fc +1.6MHz	dB	50	61	-	
Fc +1.6 to Fc +3.0MHz	dB	45	65	-	
Fc +3.0 to Fc +115MHz	dB	52	58	-	

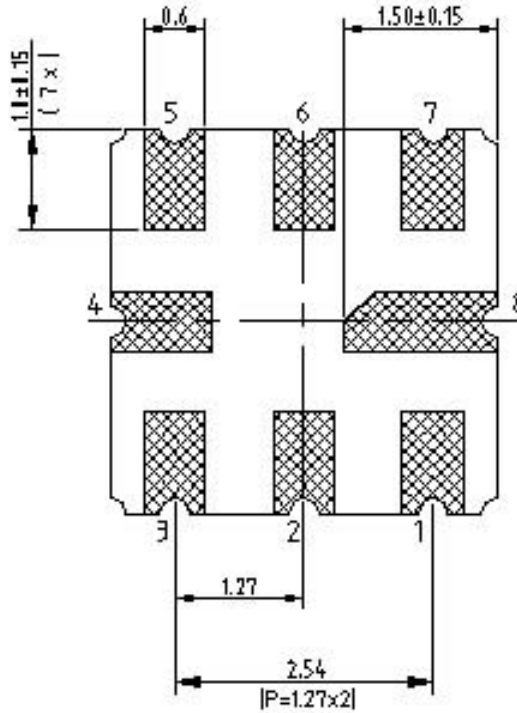
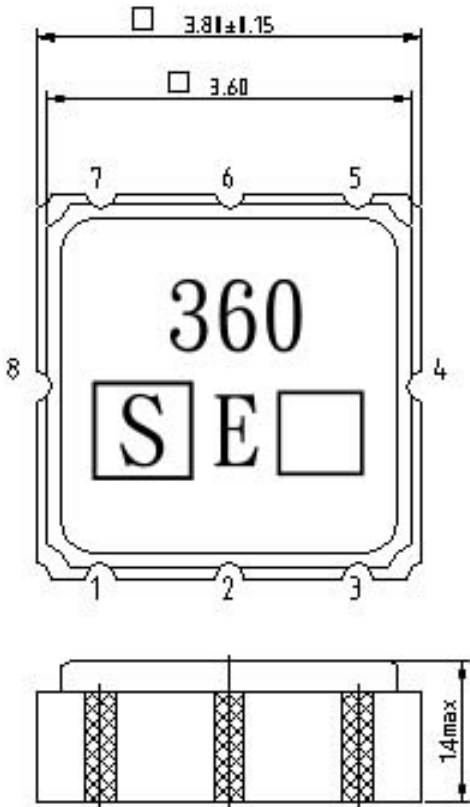
Note 1. The standard definitions is in JIS C 6703



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**C. OUTLINE DRAWING:**



- #1 : Sym. Output
  - #2 : Sym. Output
  - #5 : Symm. Input
  - #6 : Symm. Input
  - #3, 7 : Ground
  - #4, 8 : Ground
  - : Date code
- Unit : mm

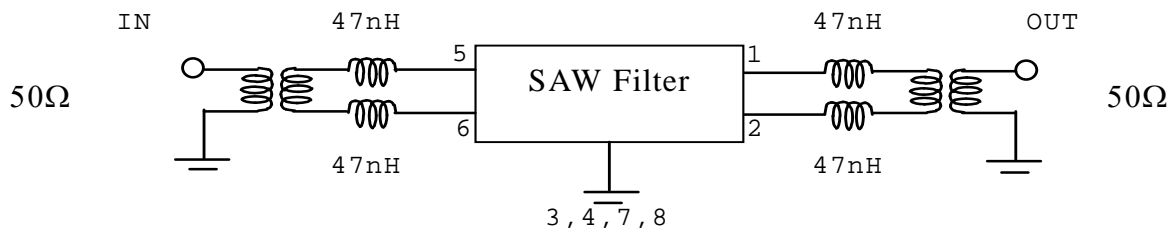
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**D. MEASUREMENT CIRCUIT:**

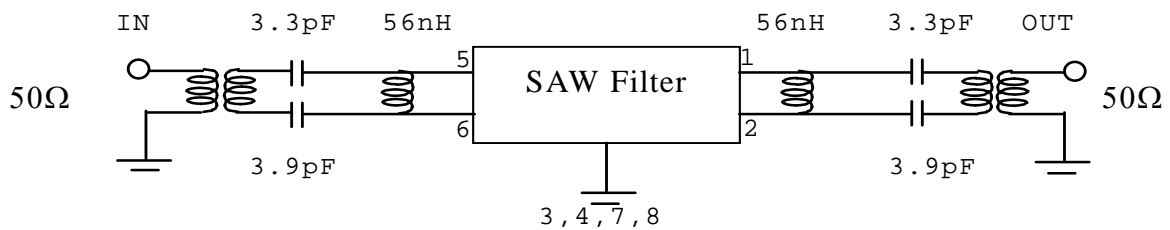
1. 50Ohm Test circuit 1

HP Network analyzer

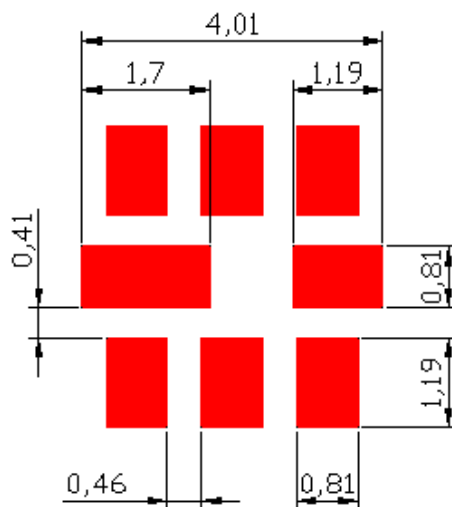


2. 50Ohm Test circuit 2

HP Network analyzer



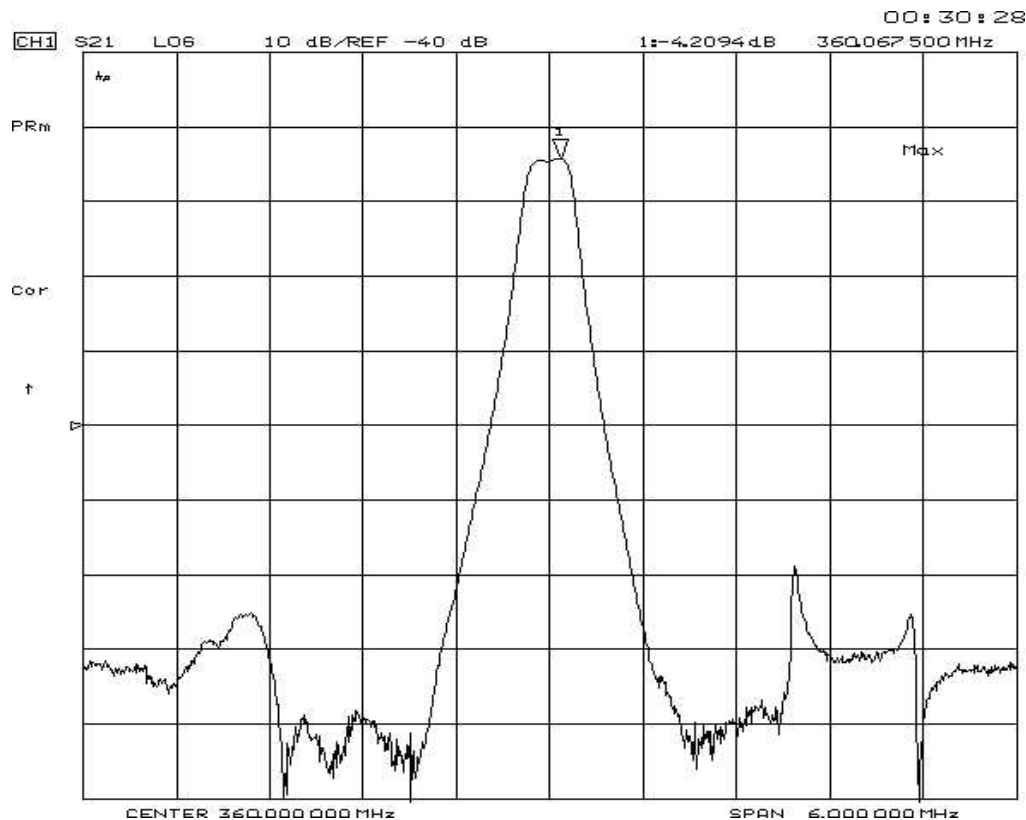
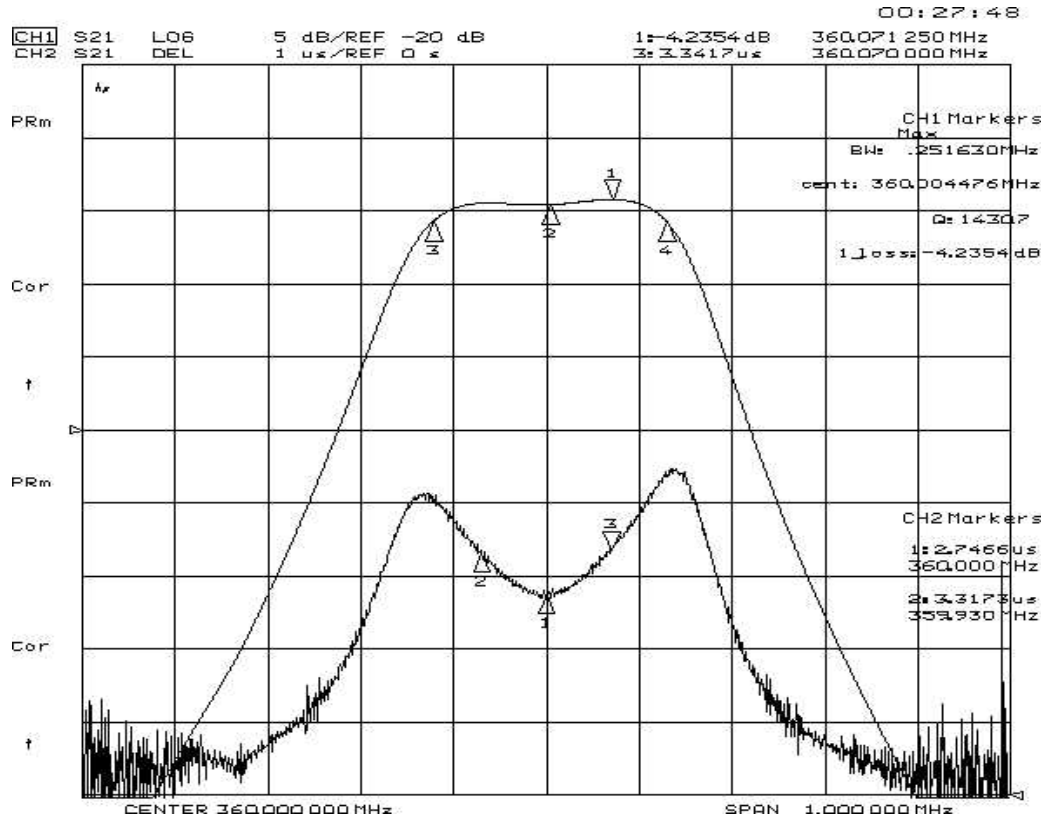
**E. PCB FOOTPRINT:**



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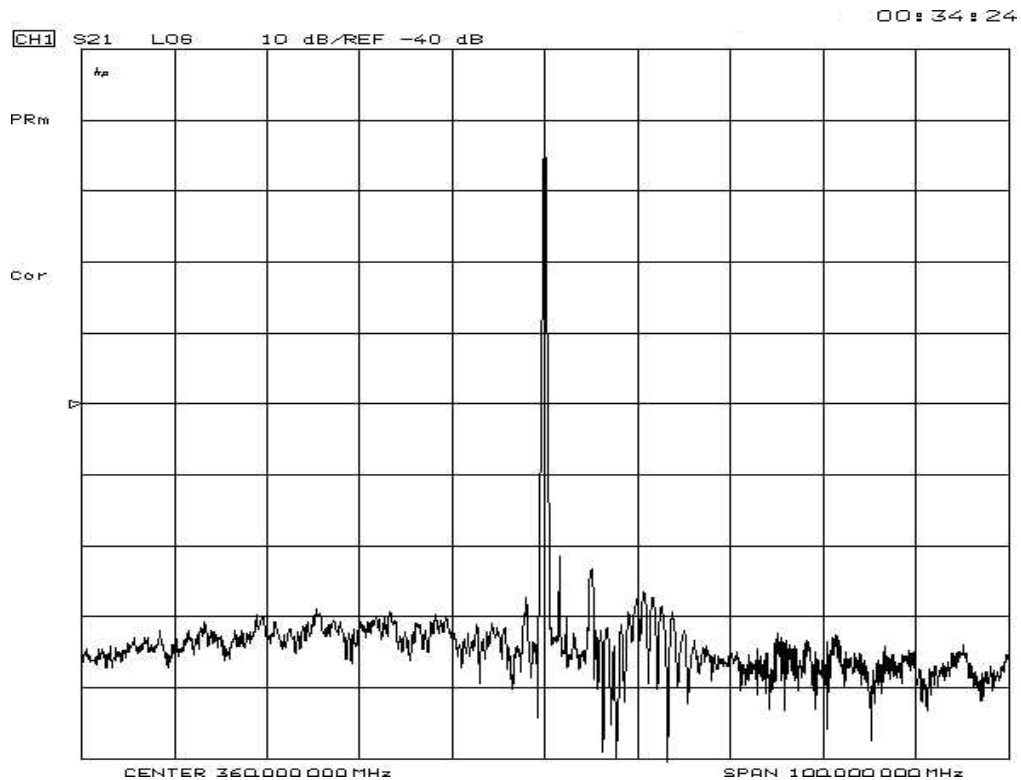
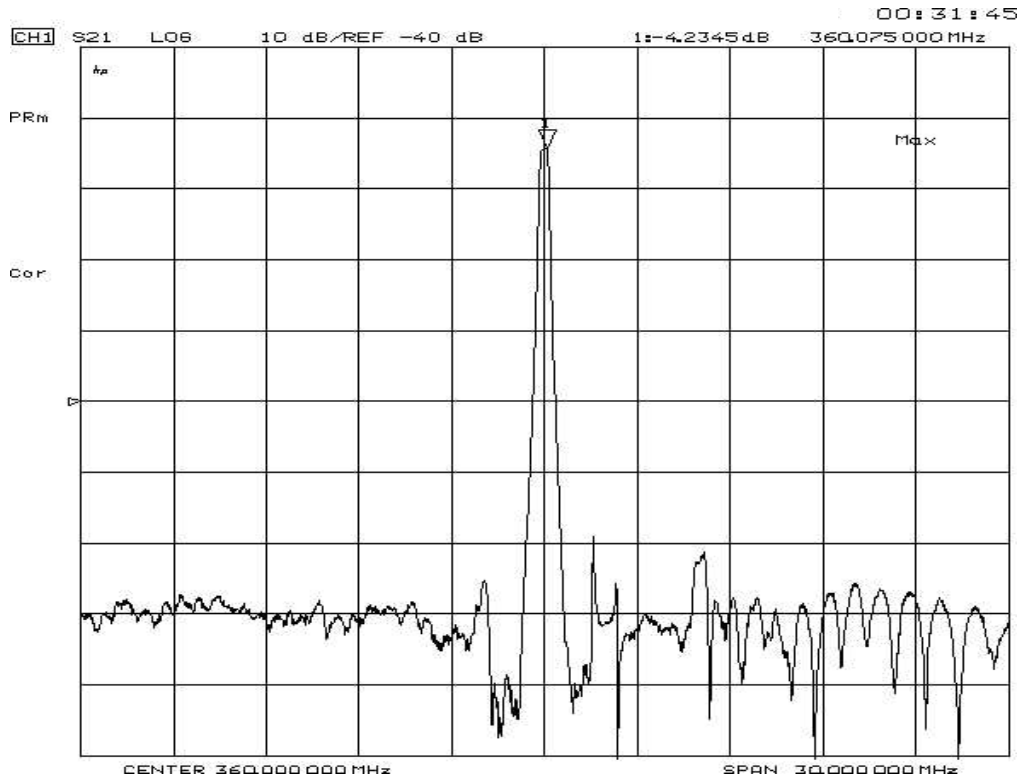
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**F. FREQUENCY CHARACTERISTICS:**



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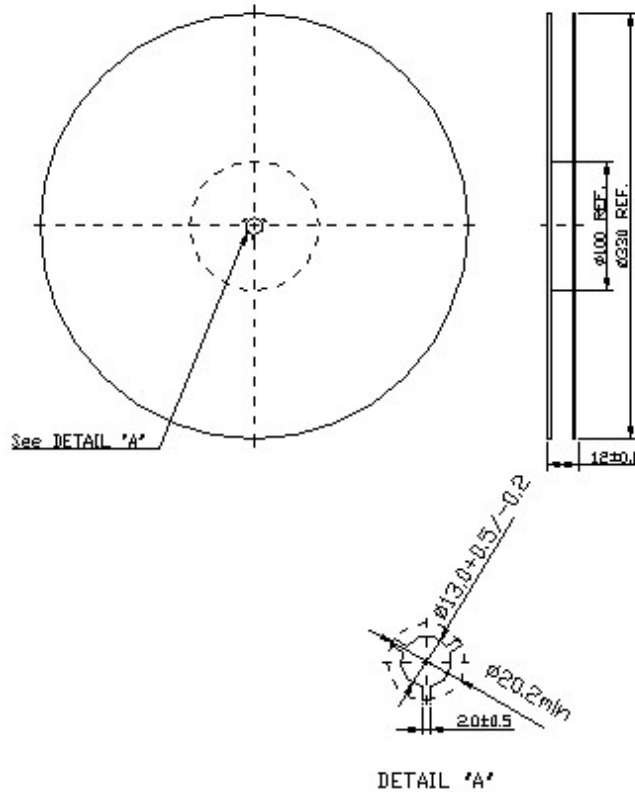


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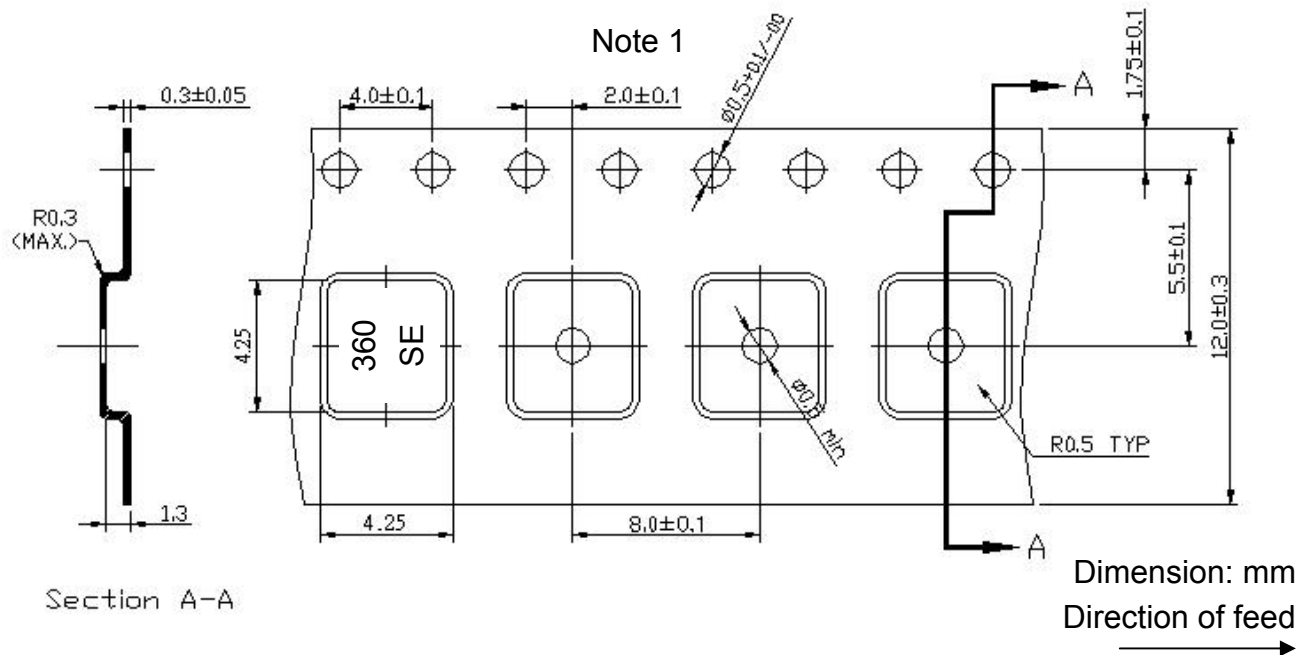
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**G. PACKING:**

1. Reel Dimension



2. Tape Dimension



Note 1. Pocket position relative to sprocket hole measured as true position of pocket, not pocket hole.

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**H. RECOMMENDED REFLOW PROFILE:**

