

**SAW Filter 394MHz**

**Model: TA0559A**

**Part No: MP02410**

**REV NO.: 2**

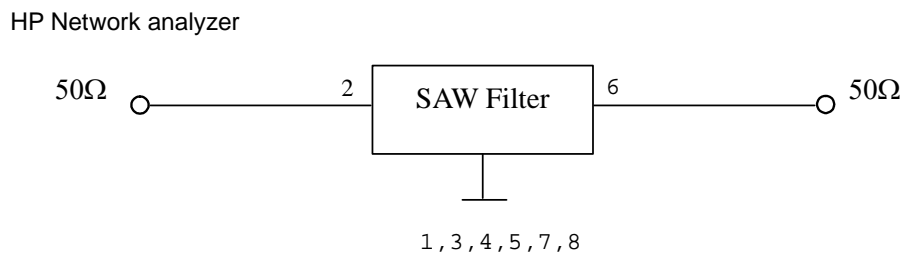
**A. MAXIMUM RATING:**

1. Input Power Level: 10 dBm
2. DC voltage: 3 V
3. Operating Temperature: -10°C to +50°C
4. Storage Temperature: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.	
Center frequency $F_c$	MHz	-	394	-	
Insertion Loss 392~396MHz IL	dB	-	1.7	3.0	
Ripple 392~396MHz	MHz	-	0.4	1.3	
Absolute Attenuation:(Reference level from 0dB)					
$F_c -100$ to $F_c -40$	MHz	dB	53	61	-
$F_c -40$ to $F_c -12$	MHz	dB	48	52	-
$F_c +12$ to $F_c +40$	MHz	dB	35	40	-
$F_c +40$ to $F_c +100$	MHz	dB	50	57	-
Source impedance $Z_s$	$\Omega$	-	50	-	
Load impedance $Z_L$	$\Omega$	-	50	-	

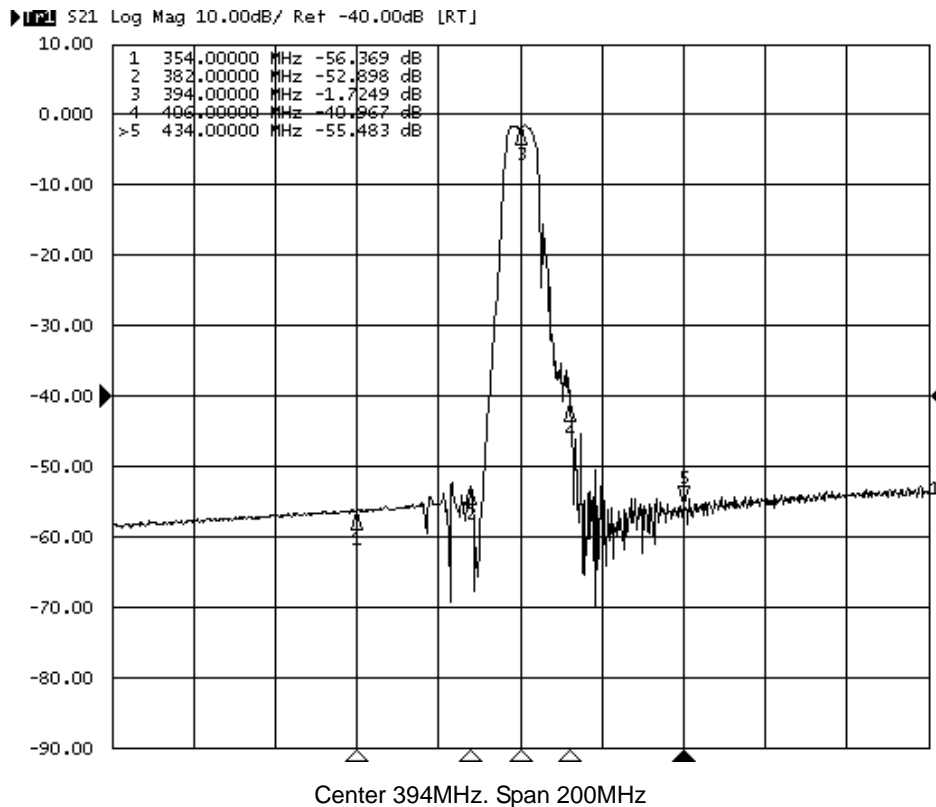
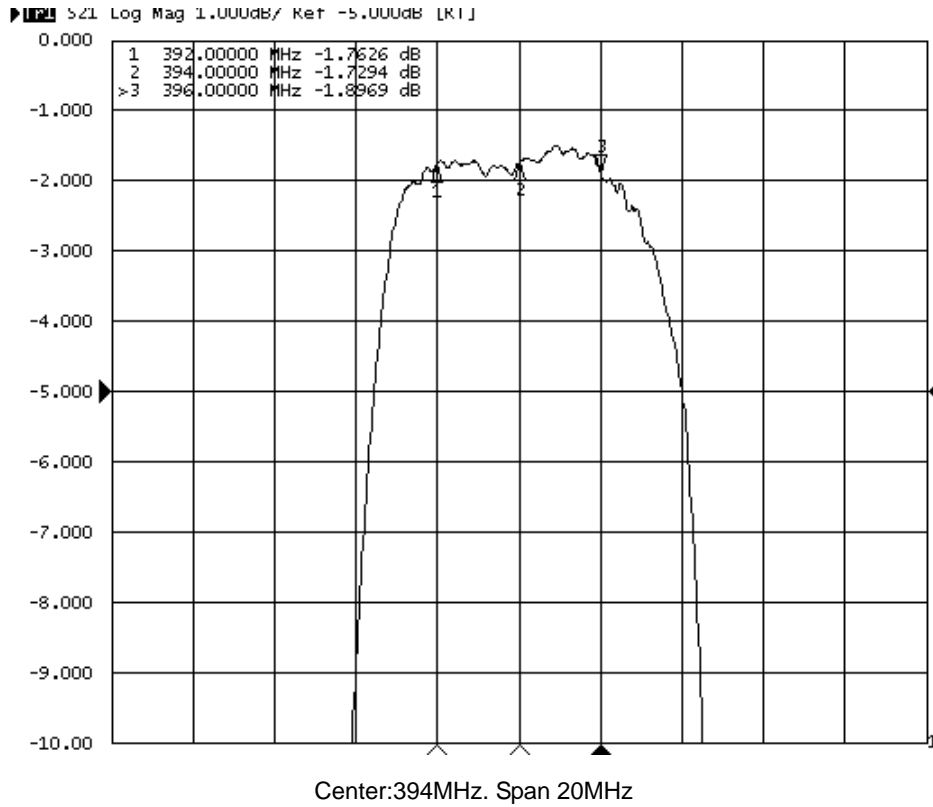
**C. MEASUREMENT CIRCUIT:**



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**D. FREQUENCY CHARACTERISTICS:**



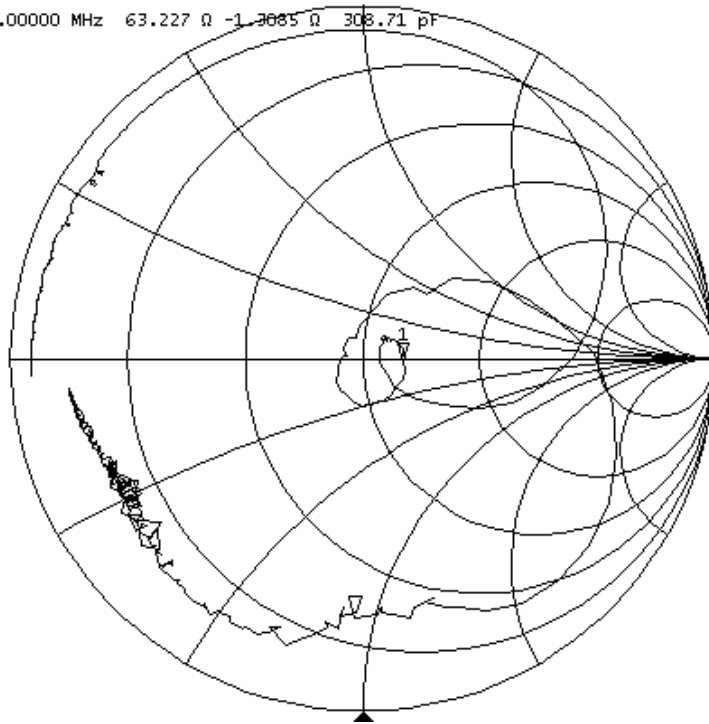
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**S11**

▶ **S11** S11 Smith (R+jX) Scale 1.000U [F2]

>1 394.00000 MHz 63.227  $\Omega$  -1.3685  $\Omega$  308.71 pF

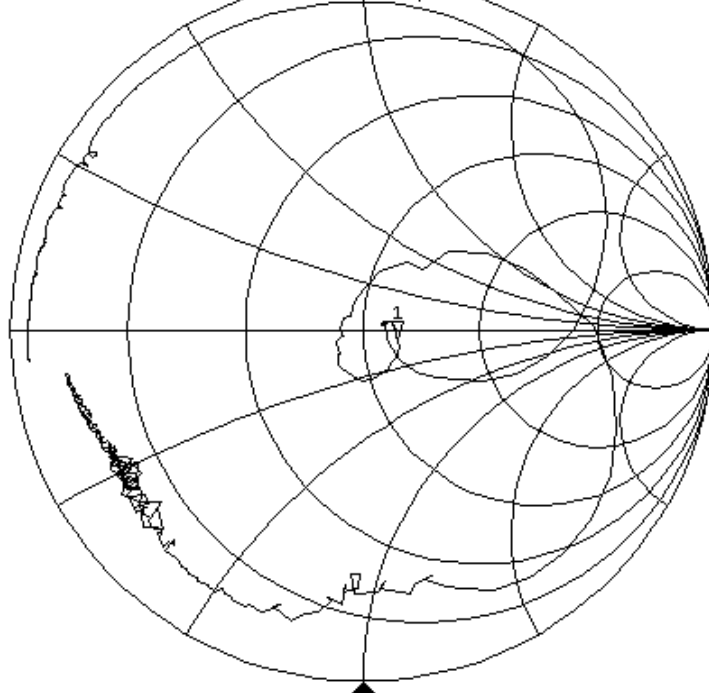


Center 394MHz. Span 100MHz

**S22**

▶ **S22** S22 Smith (R+jX) Scale 1.000U [F2]

>1 394.00000 MHz 60.878  $\Omega$  -3.3149  $\Omega$  121.86 pF

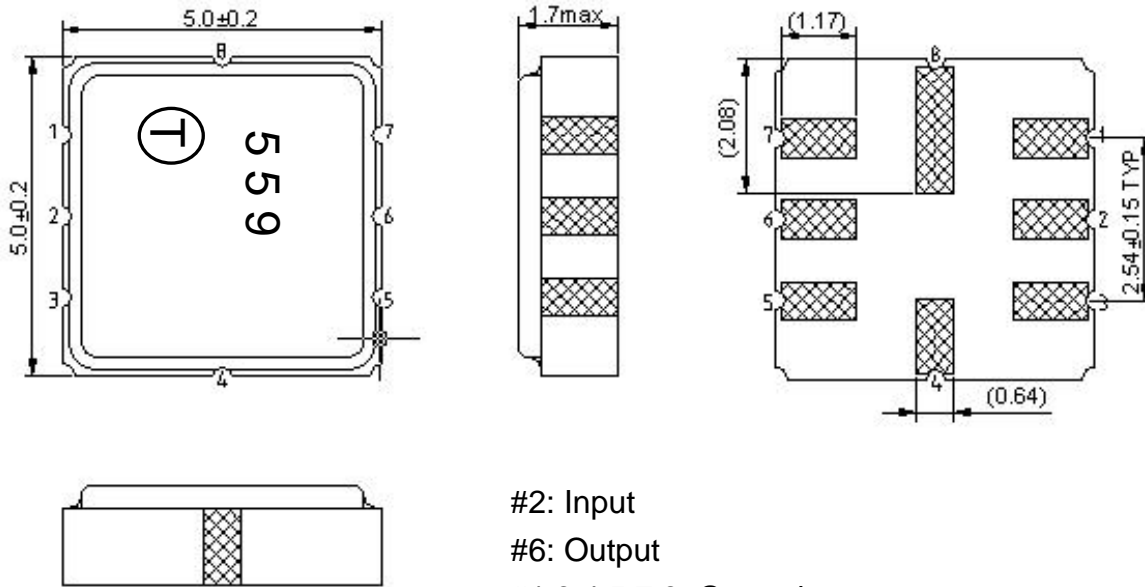


Center 394MHz. Span 100MHz

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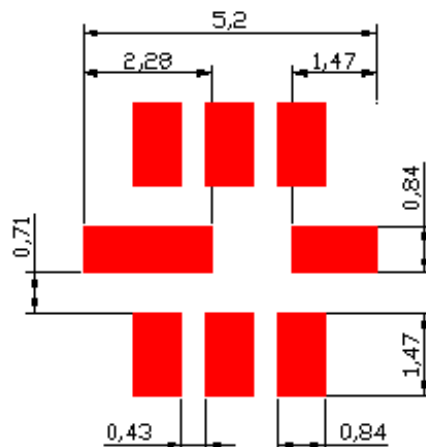
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**E. OUTLINE DRAWING:**



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

**F. PCB FOOTPRINT:**

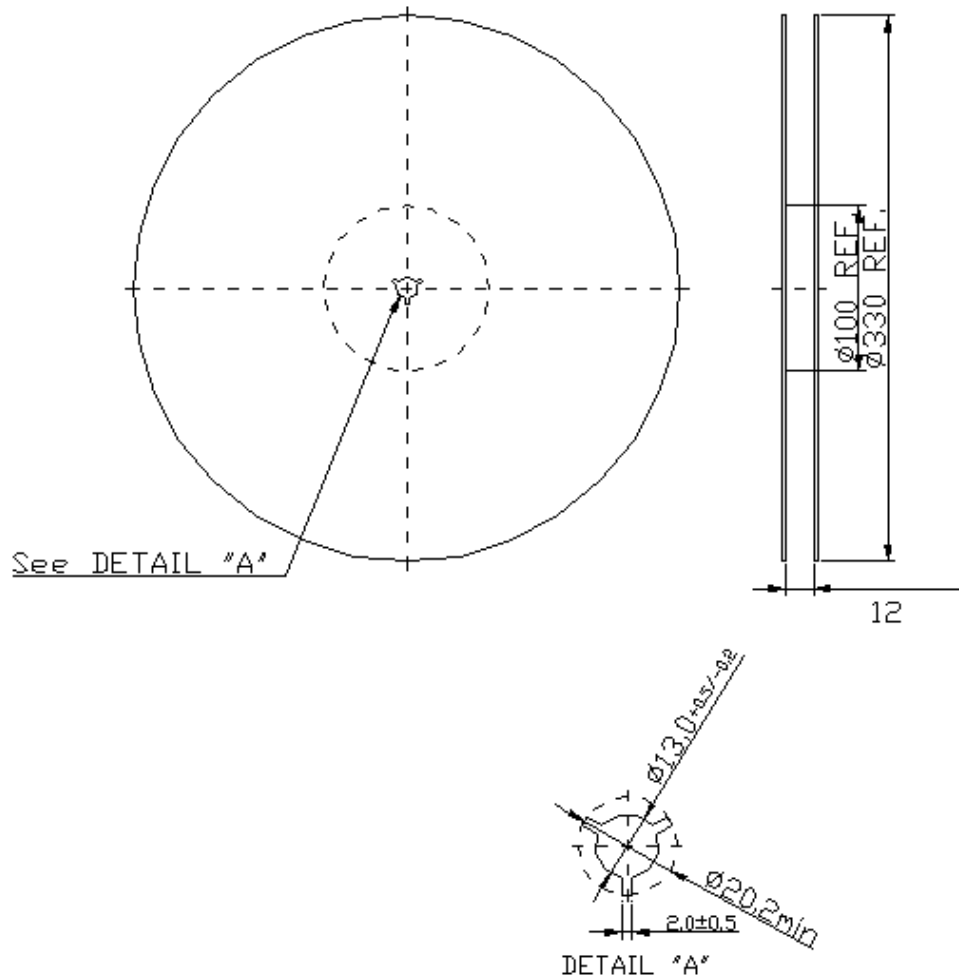


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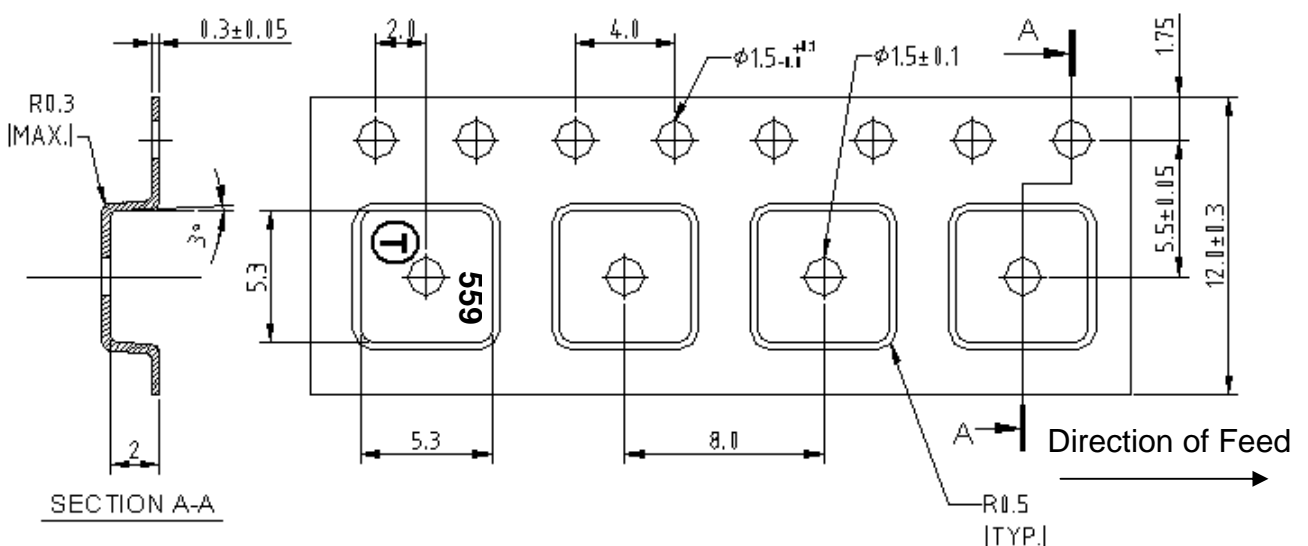
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**G. PACKING:**

**1. REEL DIMENSION**



**2. TAPE DIMENSION**



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**H. RECOMMENDED REFLOW PROFILE:**

