

**SAW Filter 388.50MHz**  
**Part No: MP06238**

**Model: TA1678A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

1. Input Power Level: 0dBm
2. DC voltage: 10V
3. Operating Temperature: -55°C to +85°C
4. Storage Temperature: -55°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

1. Terminating source impedance:  $Z_S = 50\Omega$
2. Terminating load impedance:  $Z_L = 50\Omega$

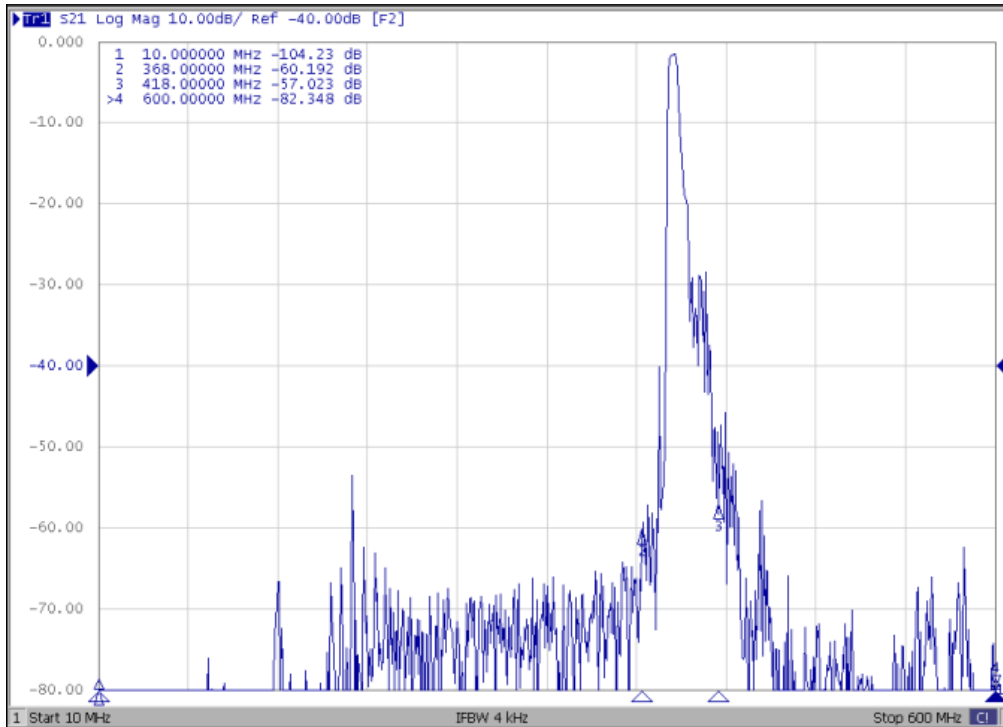
Item	Unit	Min.	Typ.	Max.
Center frequency $F_c$	MHz	-	388.5	-
Insertion loss 386 ~ 389MHz IL	dB	-	1.4	3.0
2dB BW	MHz	-	6.5	
VSWR 386 ~ 389MHz	MHz	-	2	2.2
Ripple 386 ~ 389MHz	dB		0.3	1.6
Attenuation (Reference level from 0dB)				
10 ~ 368MHz	dB	40	56	-
418 ~ 600MHz	dB	40	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	

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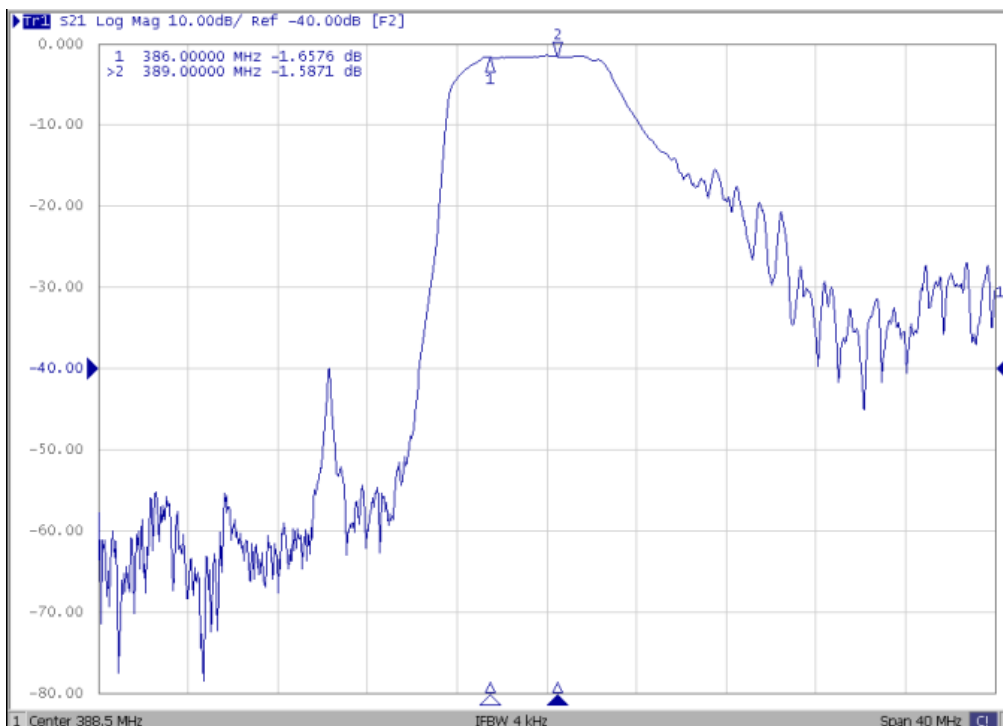
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**C. FREQUENCY CHARACTERISTICS:**

1. Wideband response: (span 600MHz)



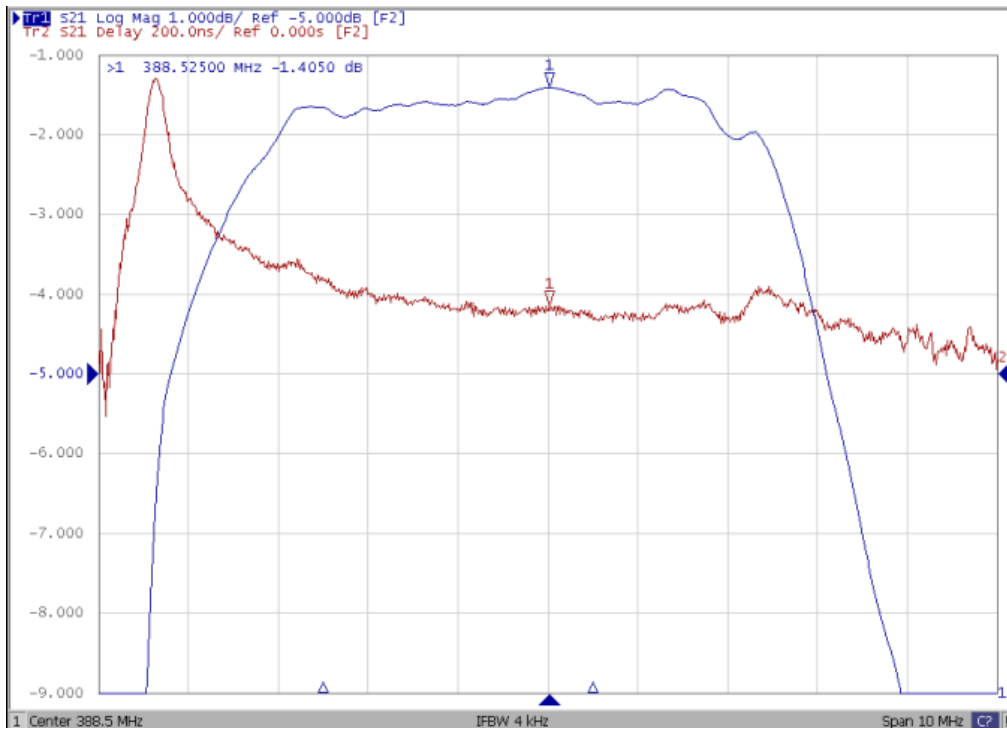
2. S21 response: (span 40MHz)



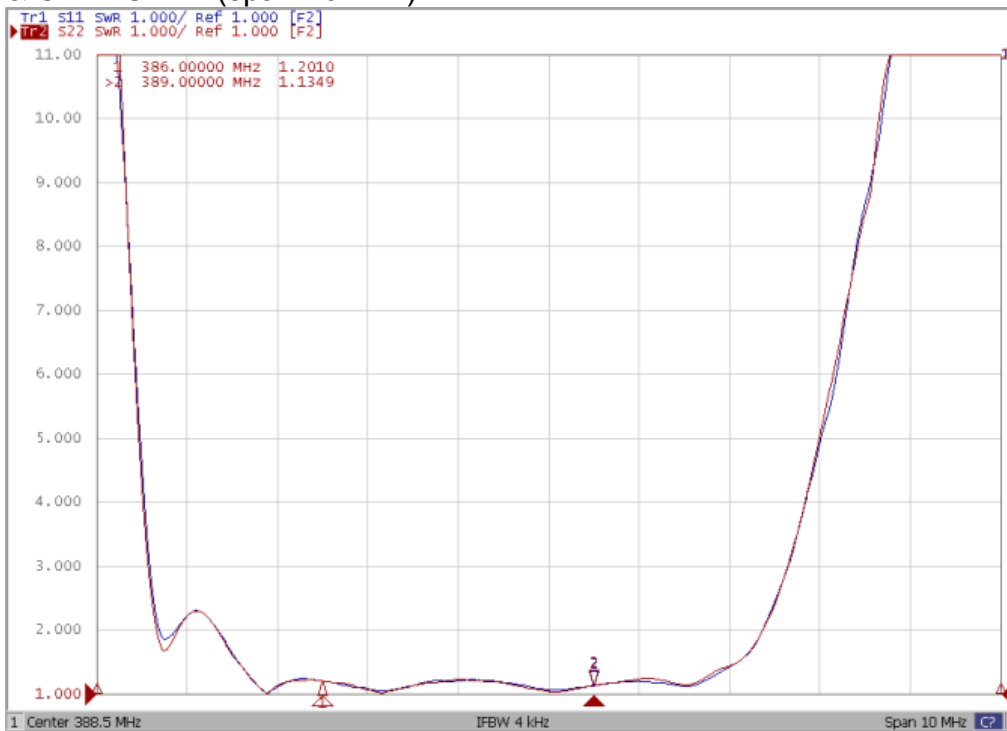
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3. Passband response: (span 10MHz)



4. S11 & S22 VSWR: (span 10MHz)

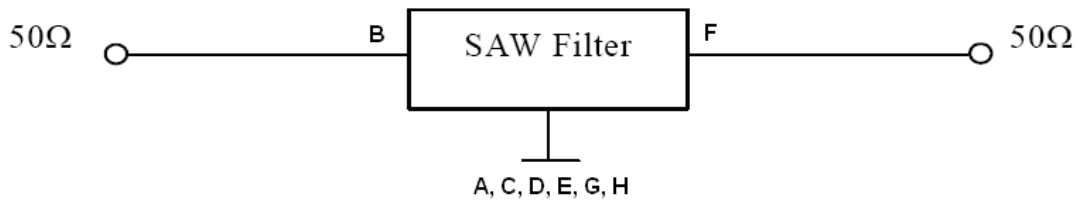


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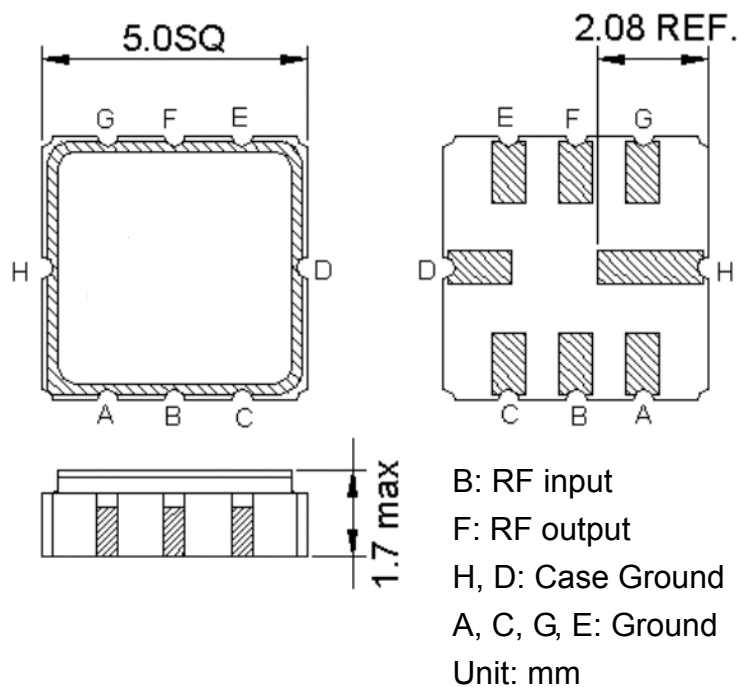
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**D. MEASUREMENT CIRCUIT:**

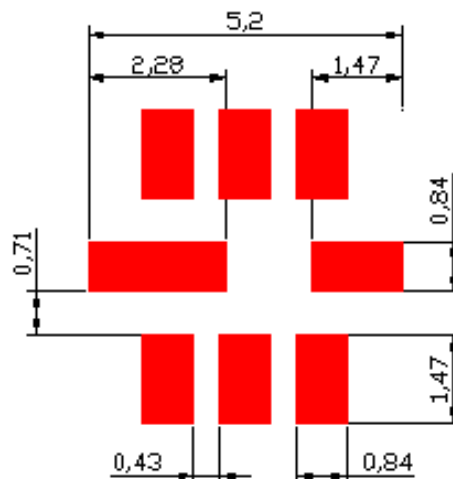
HP Network analyzer



**E. OUTLINE DRAWING:**



**F. PCB FOOTPRINT:**

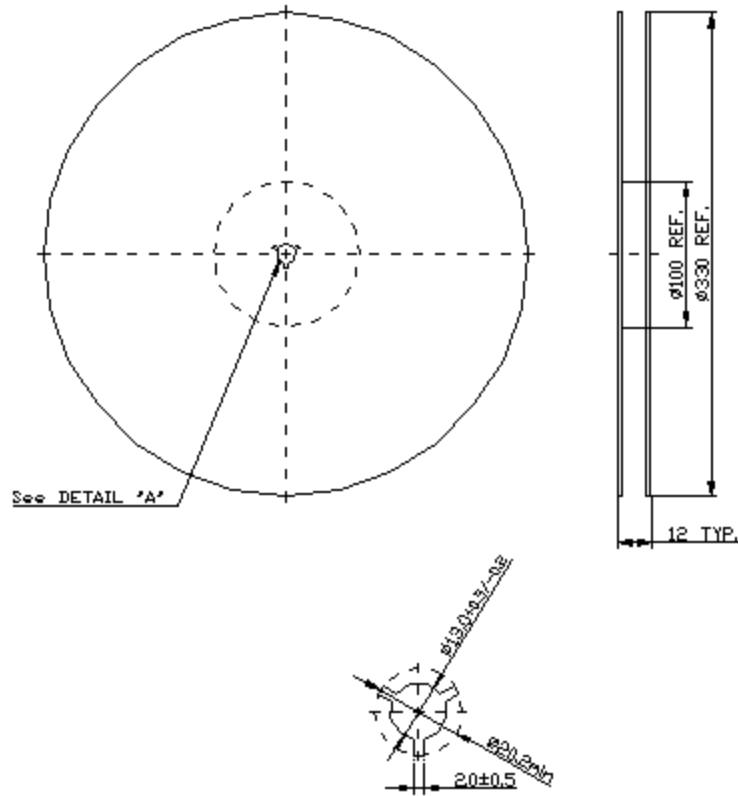


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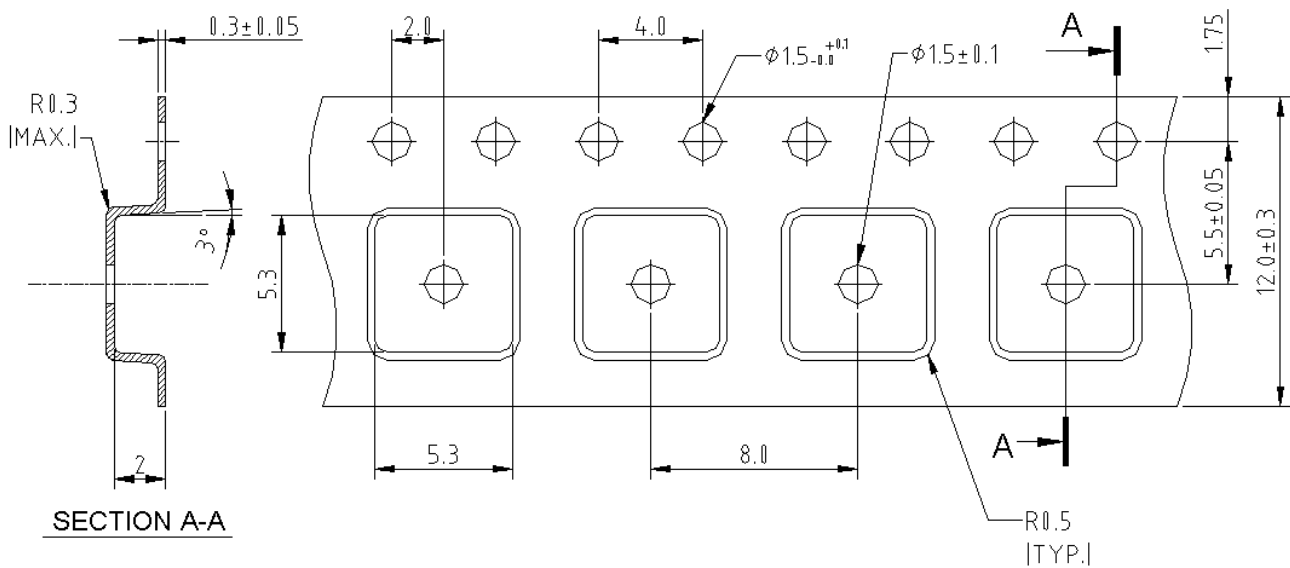
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**G. PACKING:**

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)



2. Tape Dimension



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**H. RECOMMENDED REFLOW PROFILE:**

