

**SAW Filter 400MHz**  
**Part No: MP02897**

**Model: TB0564A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -40°C to +85°C

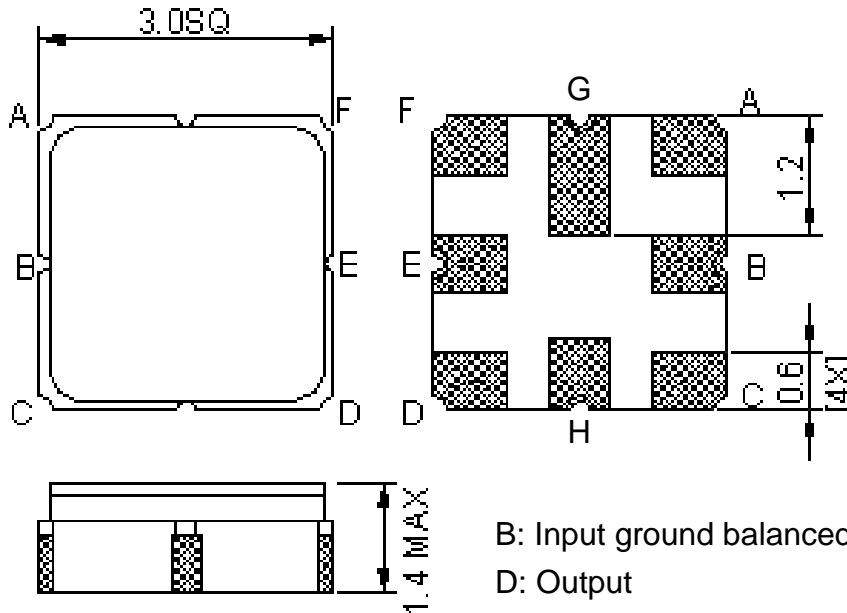
**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.	Note
Center frequency Fc	MHz	-	400	-	-
Max. Insertion loss (Fc ± 75kHz) IL (excluding loss in matching elements)	dB	-	4.3	6.0	-
Max. Insertion loss (Fc ± 75kHz) IL (including loss in matching elements)	dB	-	5.2	7.5	-
Passband Ripple (Fc ± 75kHz)	dB	-	0.4	2	-
Group Delay Ripple (Fc ± 75kHz)	μ sec	-	0.6	2	-
Relative Attenuation (relative to IL)					
Fc -100 to Fc -1.5MHz	dB	35	60	-	-
Fc -1.5 to Fc -0.8MHz	dB	20	46	-	-
Fc -0.8 to Fc -0.6MHz	dB	10	39	-	-
Fc -0.6 to Fc -0.4MHz	dB	7	27	-	-
Fc +0.4 to Fc +0.6MHz	dB	7	27	-	-
Fc +0.6 to Fc +0.8MHz	dB	10	39	-	-
Fc +0.8 to Fc +1.5MHz	dB	20	46	-	-
Fc +1.5 to Fc +100MHz	dB	35	57	-	-
Temperature coefficient of frequency TCf	-0.036ppm/K <sup>2</sup>				

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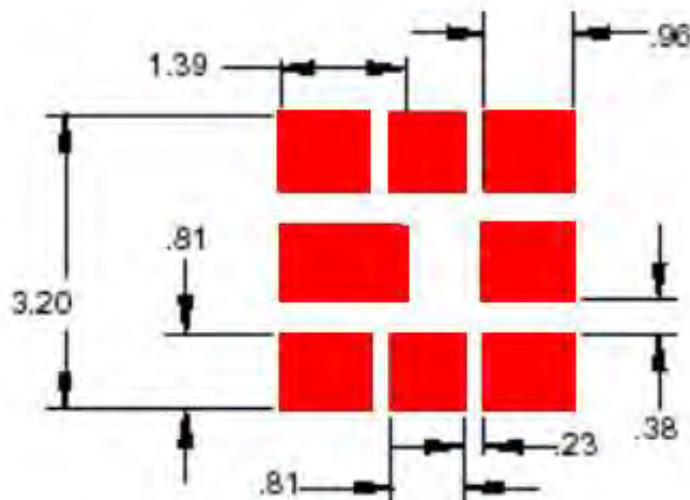
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**C. OUTLINE DRAWING:**



B: Input ground balanced input  
 D: Output  
 E: Output ground balanced output  
 C, F, G, H: Ground  
 Unit: mm

**D. PCB FOOTPRINT:**

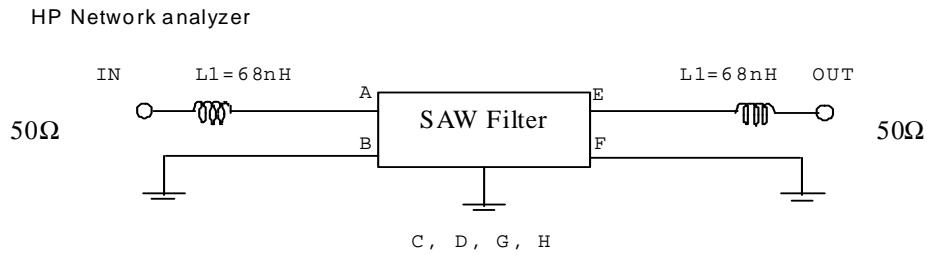


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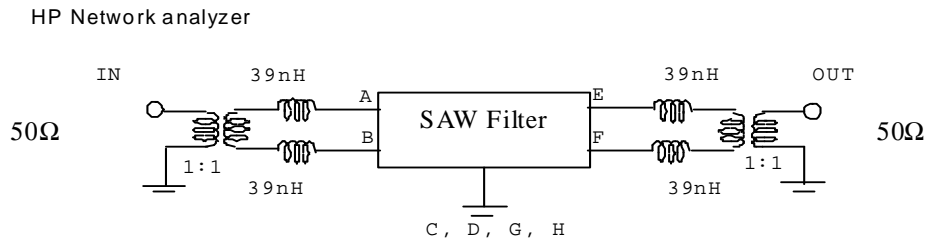
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**E. MEASUREMENT CIRCUIT:**

50Ohm Test circuit (single-ended/single-ended)



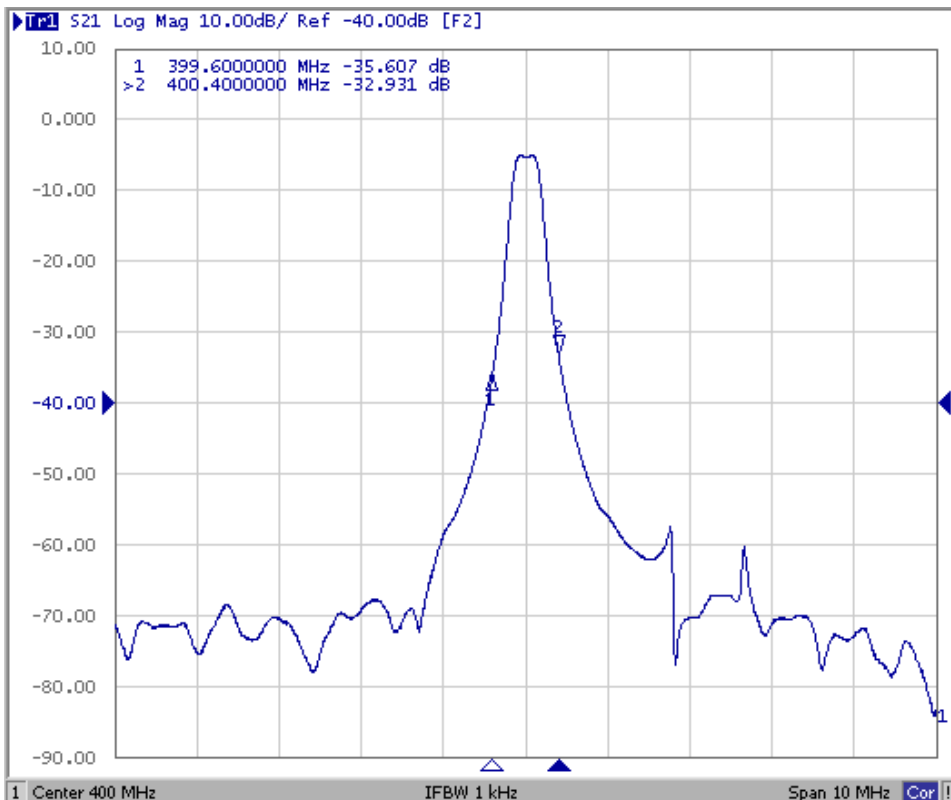
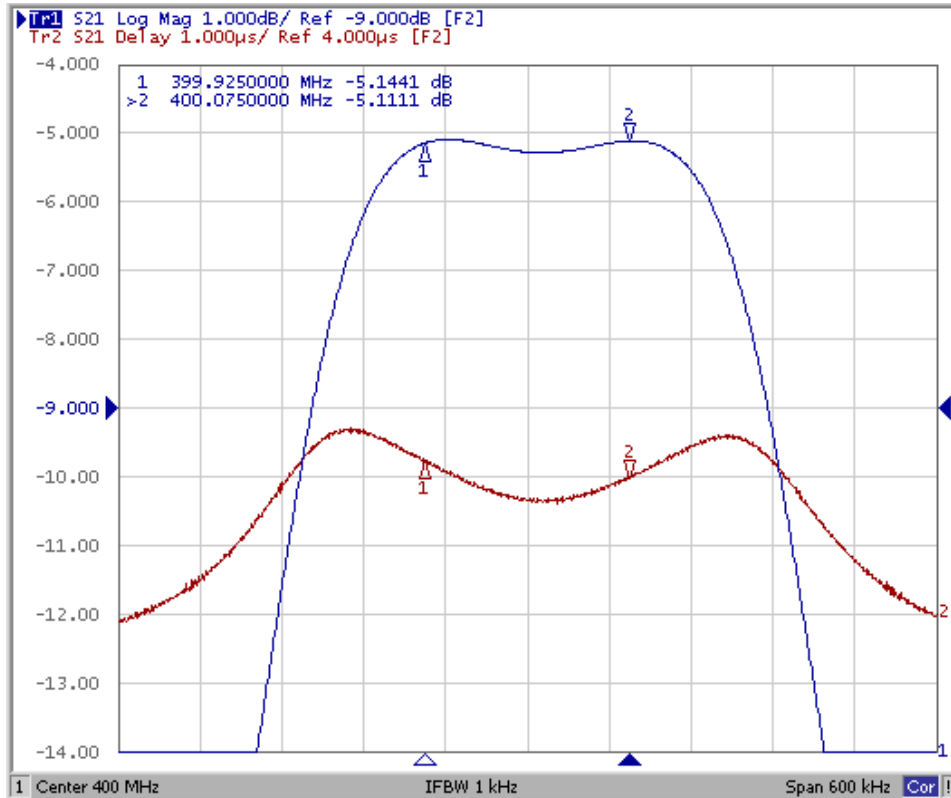
50Ohm Test circuit (balanced-ended/balanced-ended)



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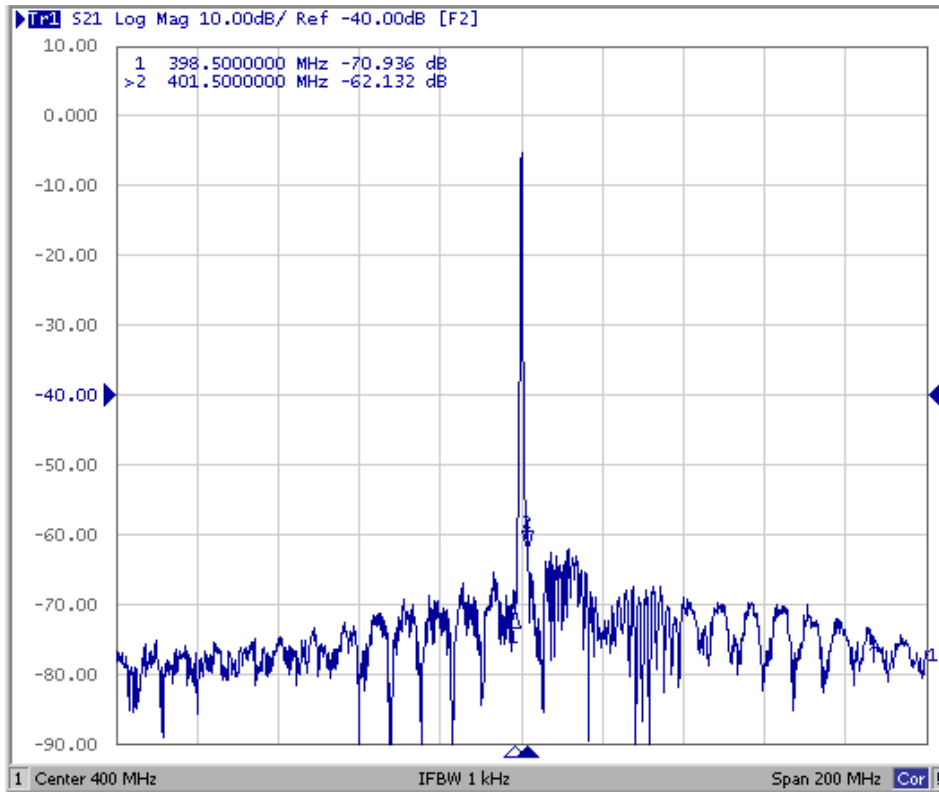
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**F. FREQUENCY CHARACTERISTICS:**



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**H. RECOMMENDED REFLOW PROFILE:**

