

2122.50MHz SAW Filter

Model: **TA0228A**

Part No: **MA05751**

REV NO.: 1a

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC voltage: 0 V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Characteristics	Specification			Note
	Min.	Typ.	Max	
Center frequency F_c MHz	-	2122.5	-	-
Insertion loss 2105~2140 MHz dB	-	3.0	4.0	-
Amplitude ripple 2105~2140 MHz dB	-	1.1	2.0	-
V.S.W.R 2105~2140 MHz	-	1.5	2.4	-
Group delay ripple 2105~2140 MHz ns		7	16	
Attenuation:(Reference level from 0 dB)				
0 ~ 1950MHz dB	33	42	-	-
1950 ~ 2050MHz dB	25	37	-	-
2195 ~ 2295 MHz dB	25	51	-	-
2295 ~ 3400 MHz dB	31	50	-	-
3400 ~ 4000 MHz dB	23	45	-	-
Impedance at F_c Input $Z_{IN}=R_{IN} // C_{IN}$	50Ω // 0 PF			1
Output $Z_{OUT}=R_{OUT} // C_{OUT}$	50Ω// 0 PF			1

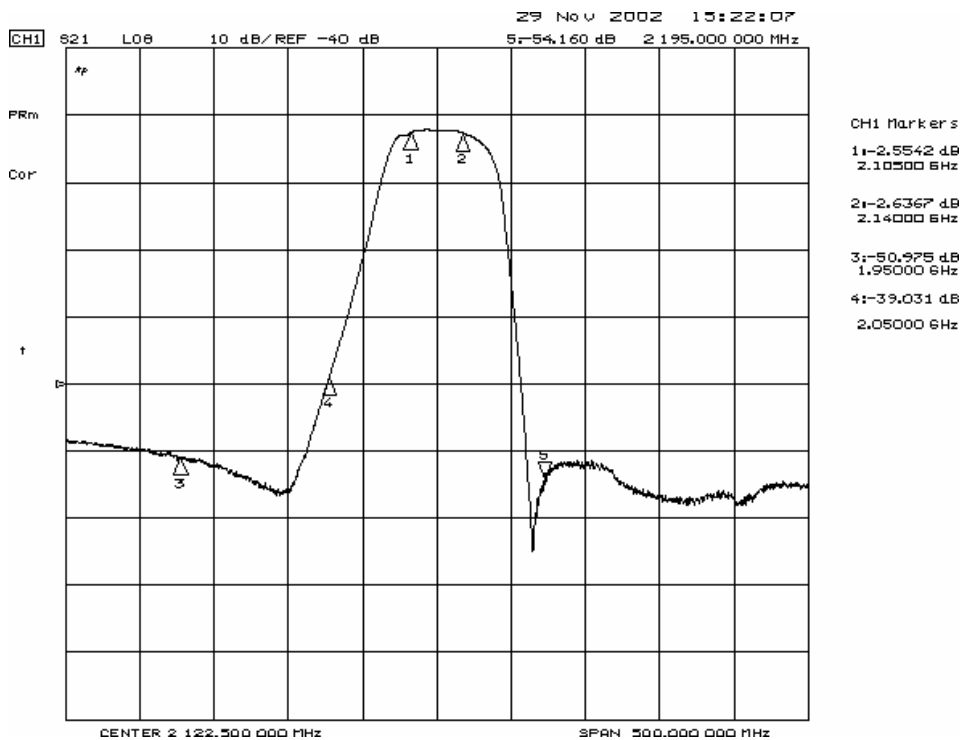
Note1. No matching network required for operation at 50Ω

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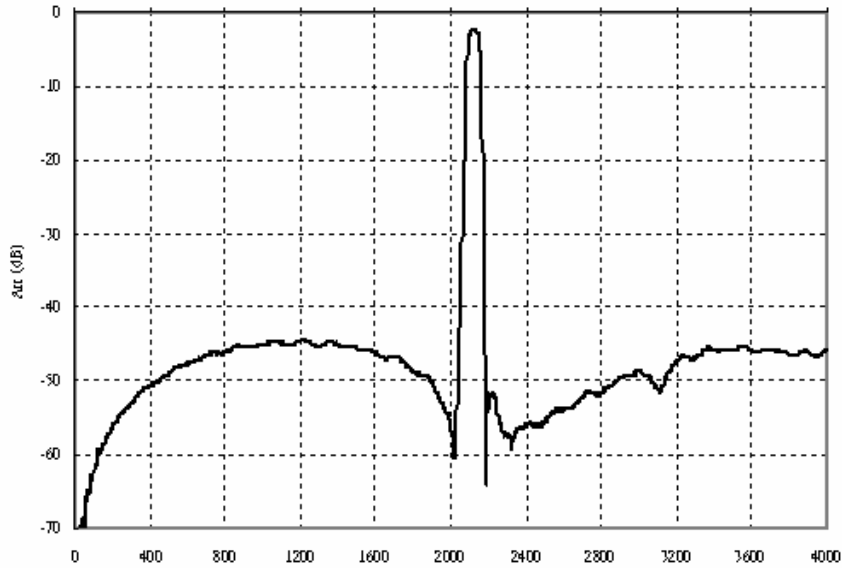
C. FREQUENCY CHARACTERISTICS:

Transfer Function:



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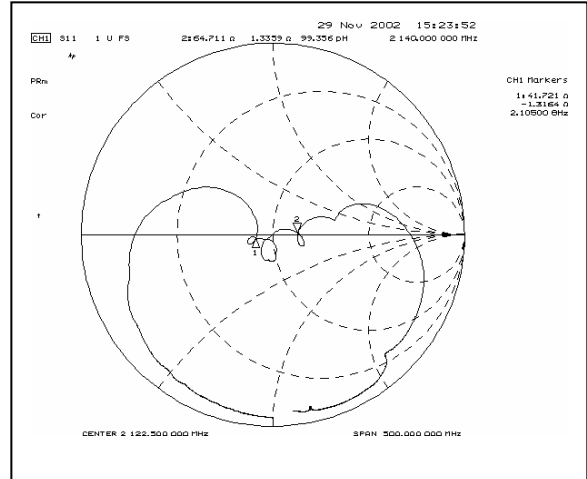
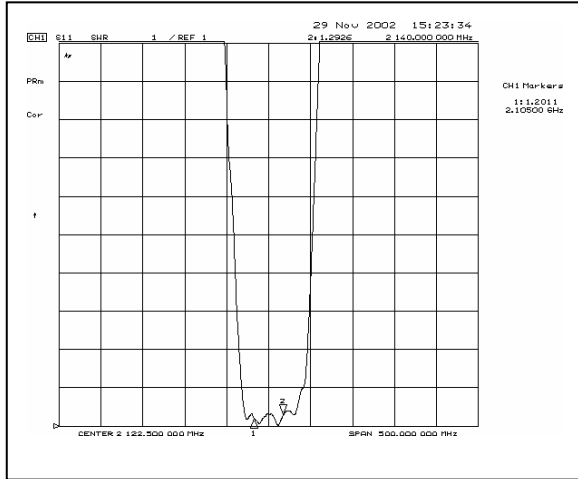


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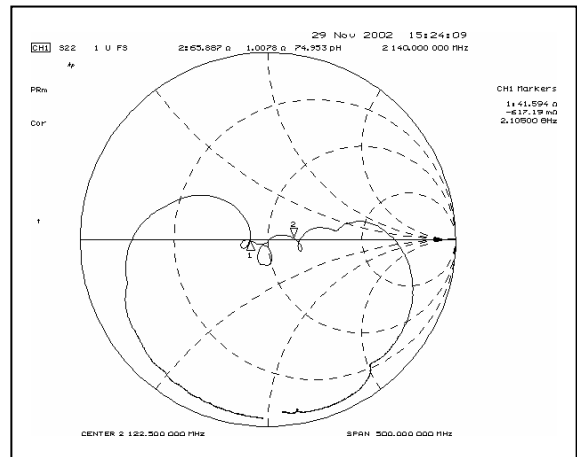
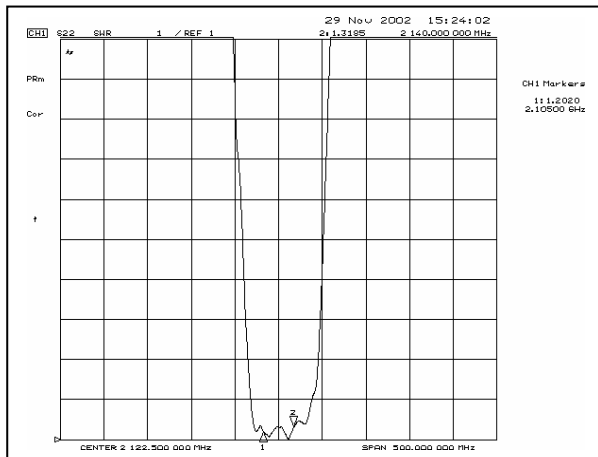
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Reflections Functions:

S11



S22



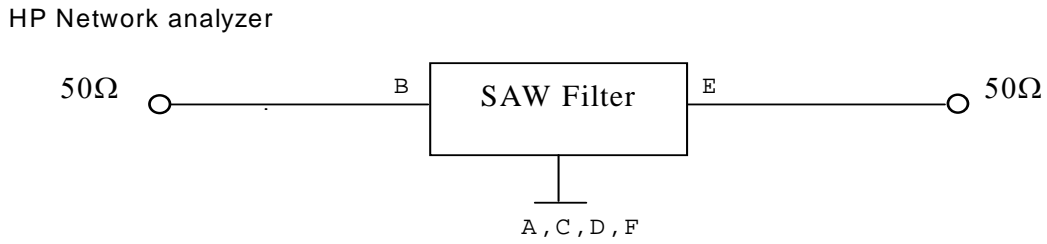
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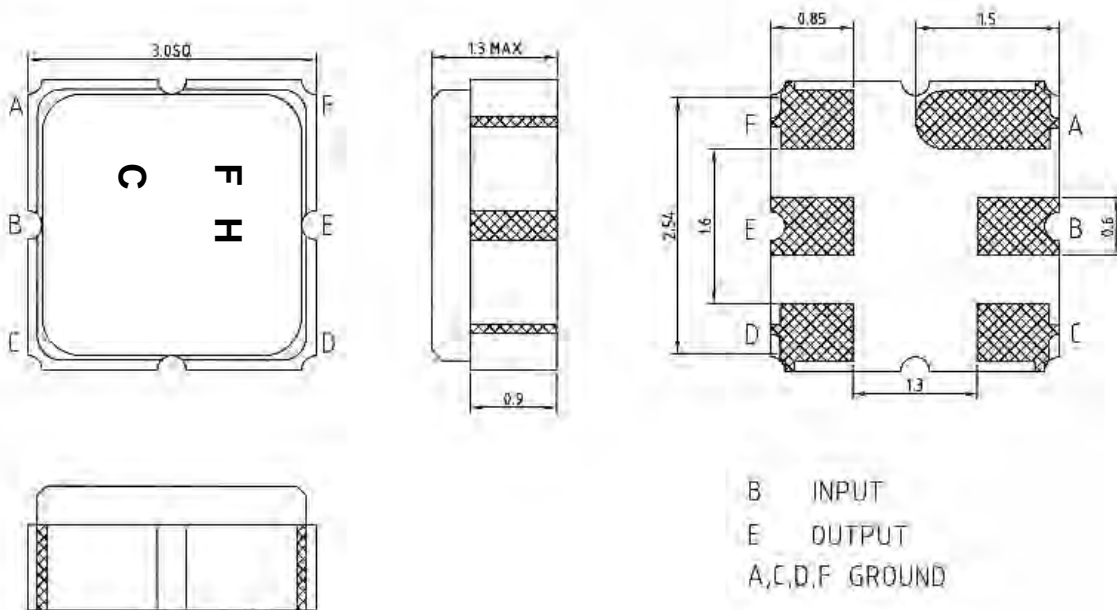
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D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:

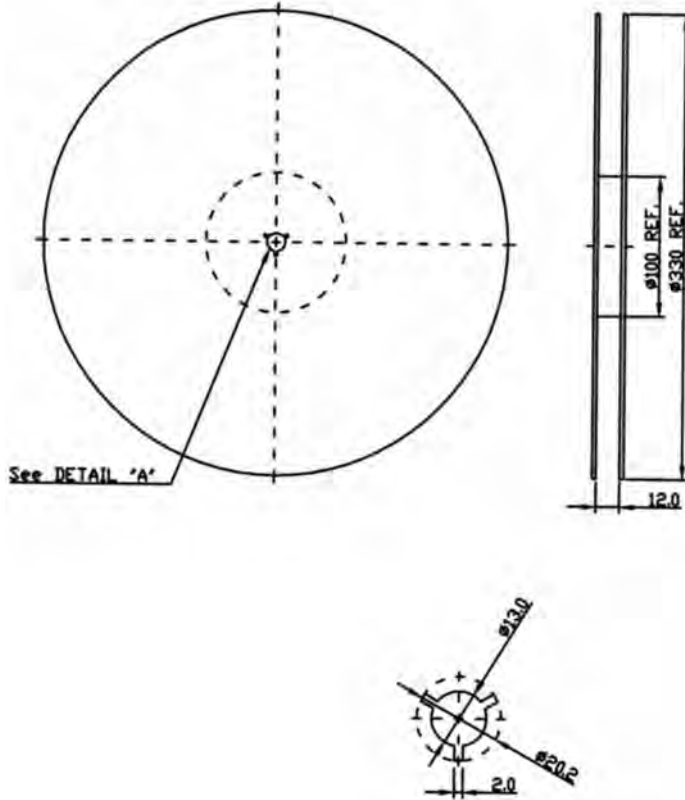


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F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

