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Golledge Electronics Ltd
Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

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

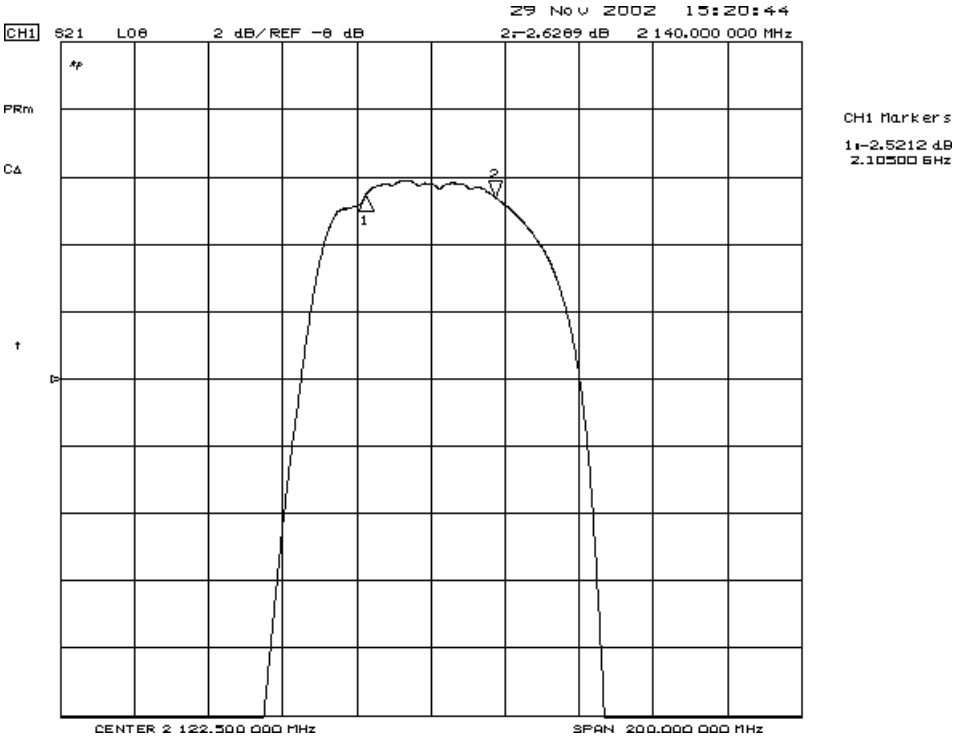
Note1. No matching network required for operation at 50Ω

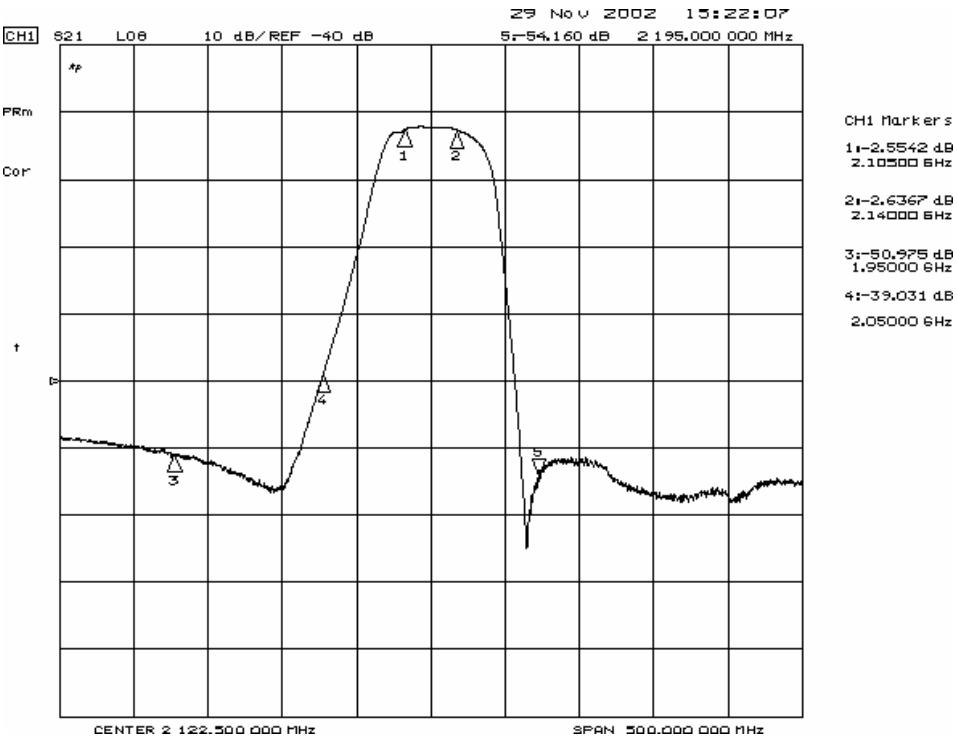
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C. FREQUENCY CHARACTERISTICS:

Transfer Function:





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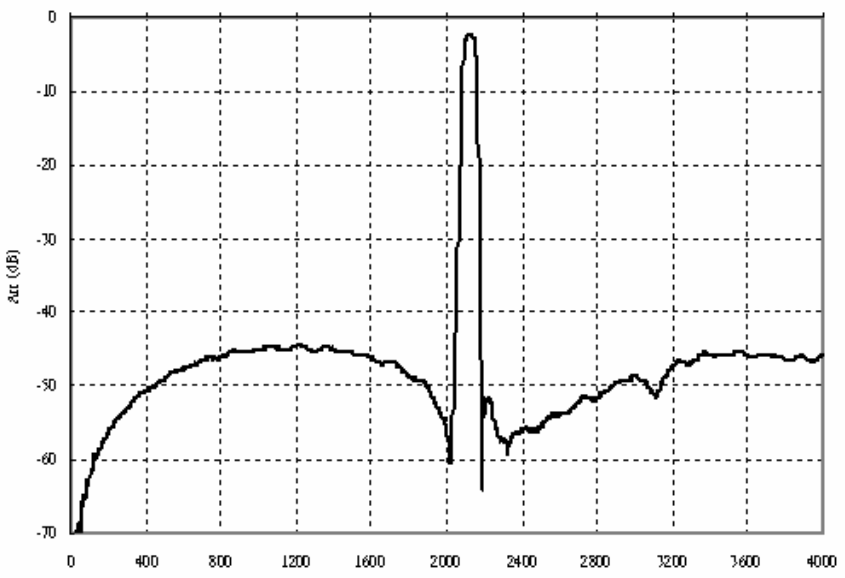
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2122.50MHz SAW Filter

Model: **TA0228A**

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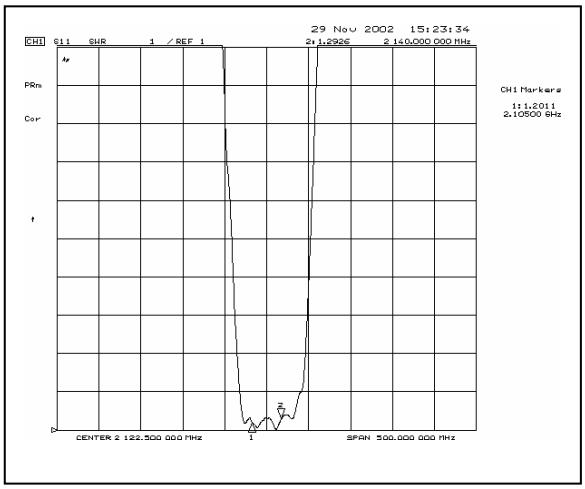
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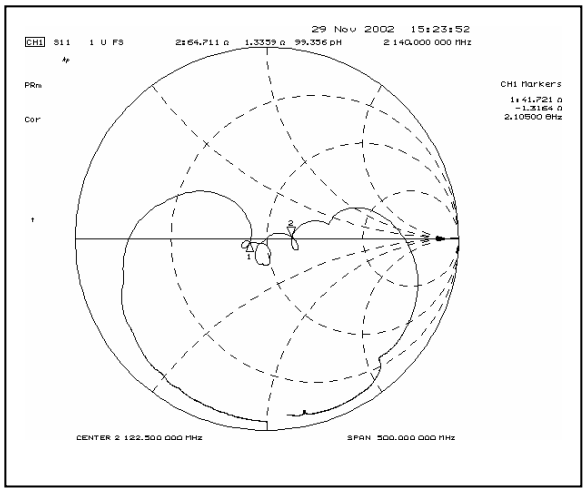
2122.50MHz SAW Filter — Model: **TA0228A**

Part No: **MA05751** — REV NO.: 1a

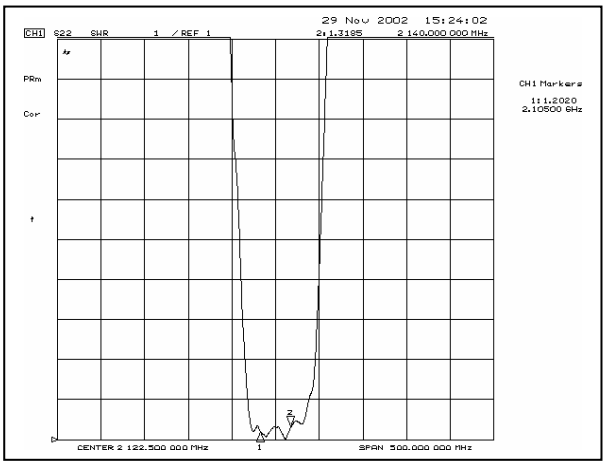
Reflections Functions:

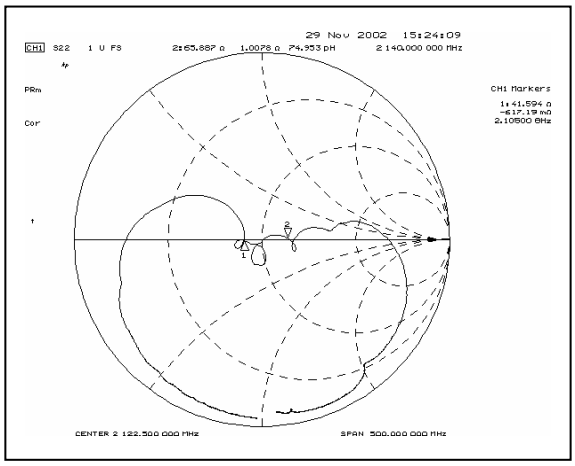
S11





S22

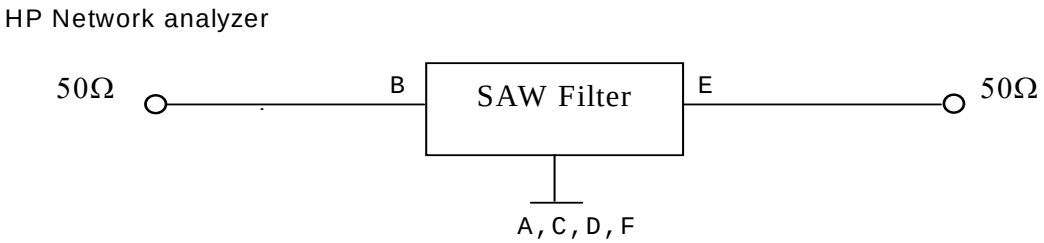




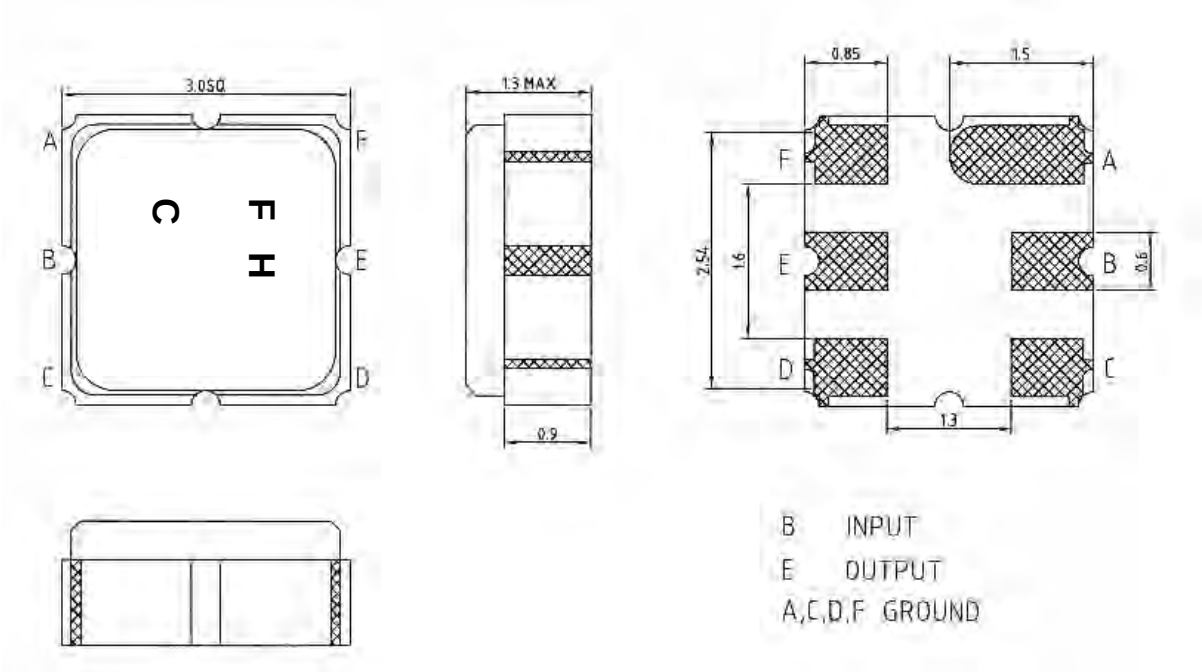
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D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:

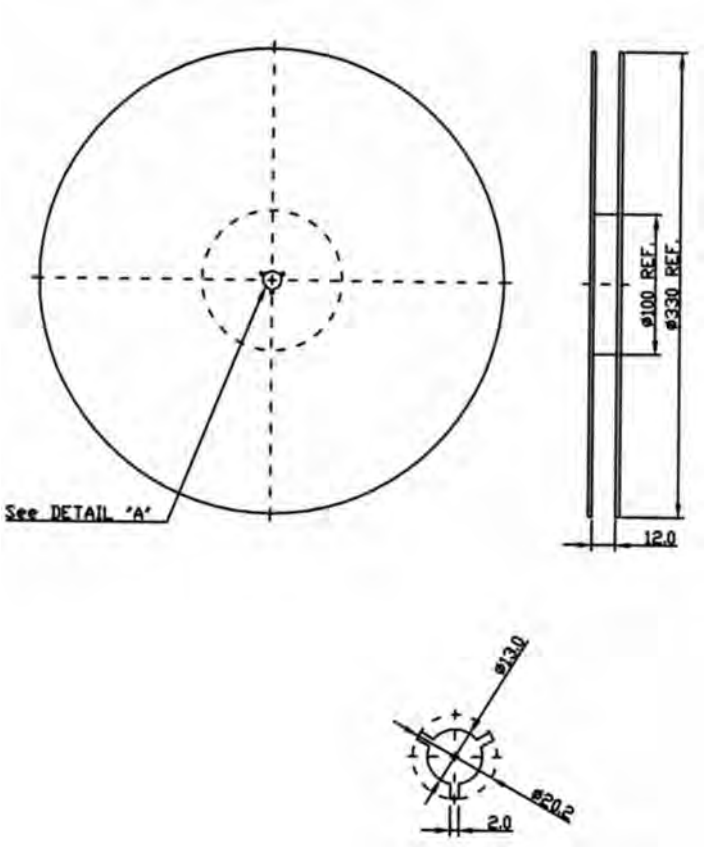


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F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

