

SAW Filter 433.920MHz
Part No: MA04316

Model: TA0278A
Rev No: 3

A. MAXIMUM RATING:

1. Input Power Level: 15dBm
2. DC voltage: 0V
3. Operating Temperature: -15°C to +60°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitive Level (MSL): Level 1

B. ELECTRICAL CHARACTERISTICS:

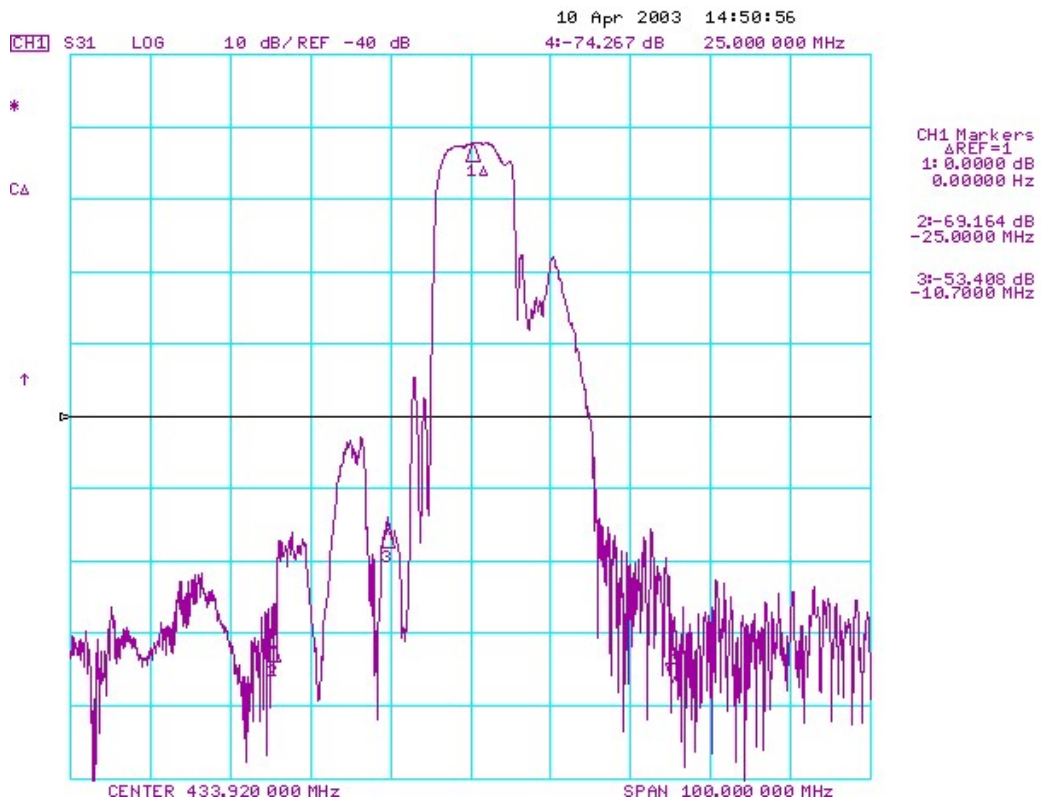
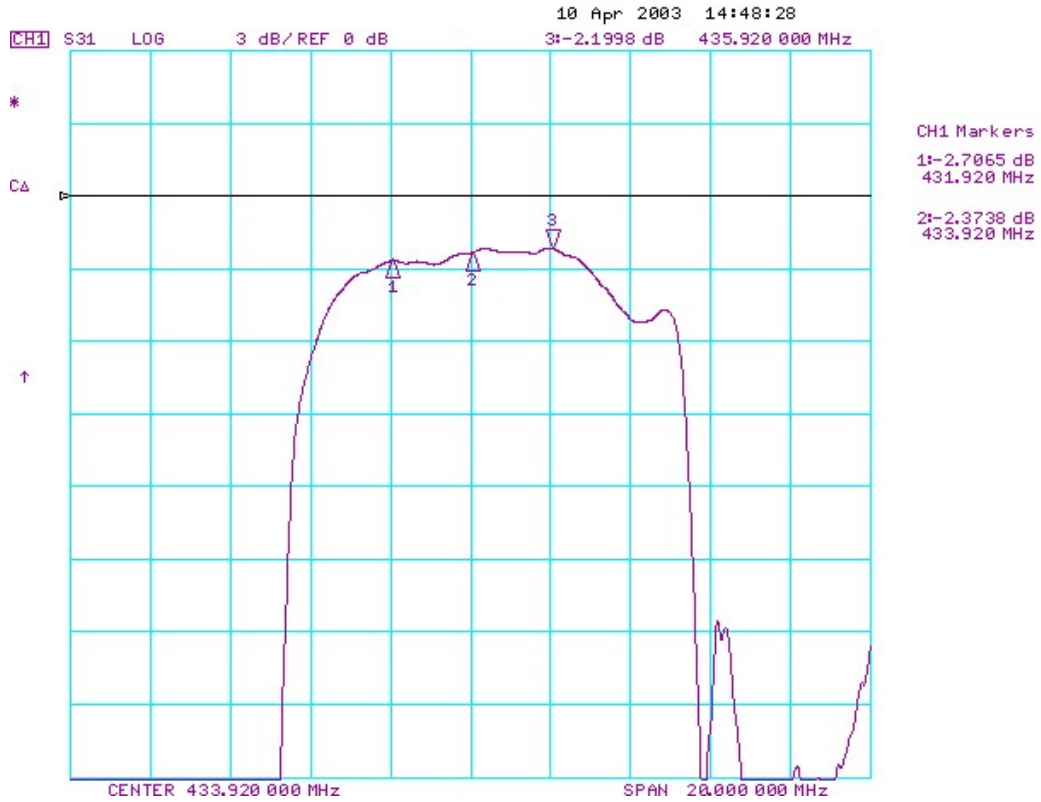
Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	433.92	-
Insertion Loss IL min (reference level)	dB	-	2.3	3.5
3dB Bandwidth BW 3dB	MHz	4	7.8	-
Attenuation: (Reference level from IL min)				
Fc -100 to Fc -200MHz	dB	56	69	-
Fc-25 to Fc -100MHz	dB	40	61	-
Fc-10.7MHz	dB	42	51	-
Fc +25 to Fc +100MHz	dB	40	61	-
Fc +100 to Fc +200MHz	dB	40	52	-
Source impedance Z _S	Ω	-	50	-
Load impedance Z _L	Ω	-	50	-

Note: IL min is the minimum of the pass band attenuation. The center frequency Fc is the mean value of the upper and lower frequencies at the 3dB filter attenuation level relative to the IL min.

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C. FREQUENCY CHARACTERISTICS:



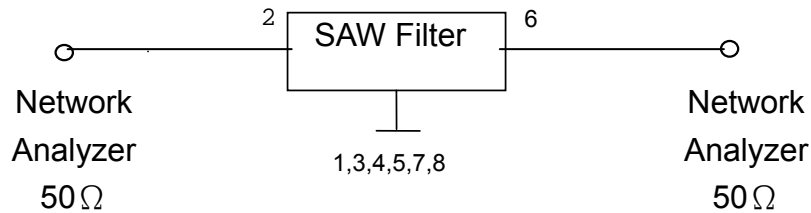
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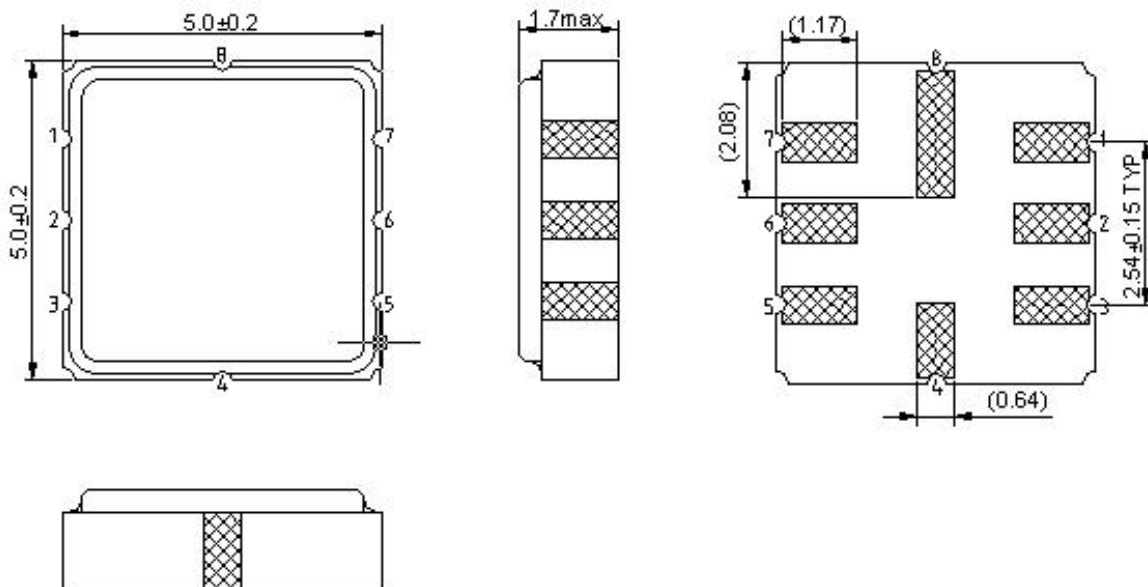
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D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:



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

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G. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150 ~ 180°C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50 ~ 80 seconds and at 260°C +0/-5°C peak (20 ~ 40 sec).
4. Time: 2 times.

