

**SAW Filter 866.0MHz**  
**Part No: MA05378**

**Model: TA0331A**  
**Rev No: 2**

**A. MAXIMUM RATING:**

**Electrostatic Sensitive Device (ESD)**

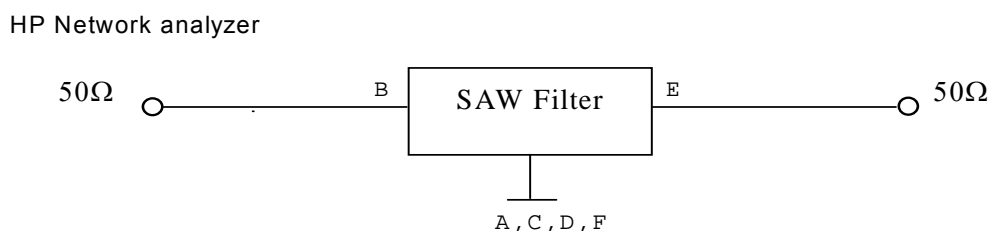
1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -25°C to +75°C
4. Storage Temperature: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz	-	866	-
Insertion Loss 860 ~ 872MHz	dB	-	2.0	3.5
Bandwidth BW -1.5dB	MHz	12	35	-
Absolute Attenuation				
770 ~ 780MHz	dB	40	54	-
815 ~ 825MHz	dB	40	49	-
Source impedance Z <sub>S</sub>	Ω	-	50	-
Load impedance Z <sub>L</sub>	Ω	-	50	-

Note 1. No matching network required for operation at 50.

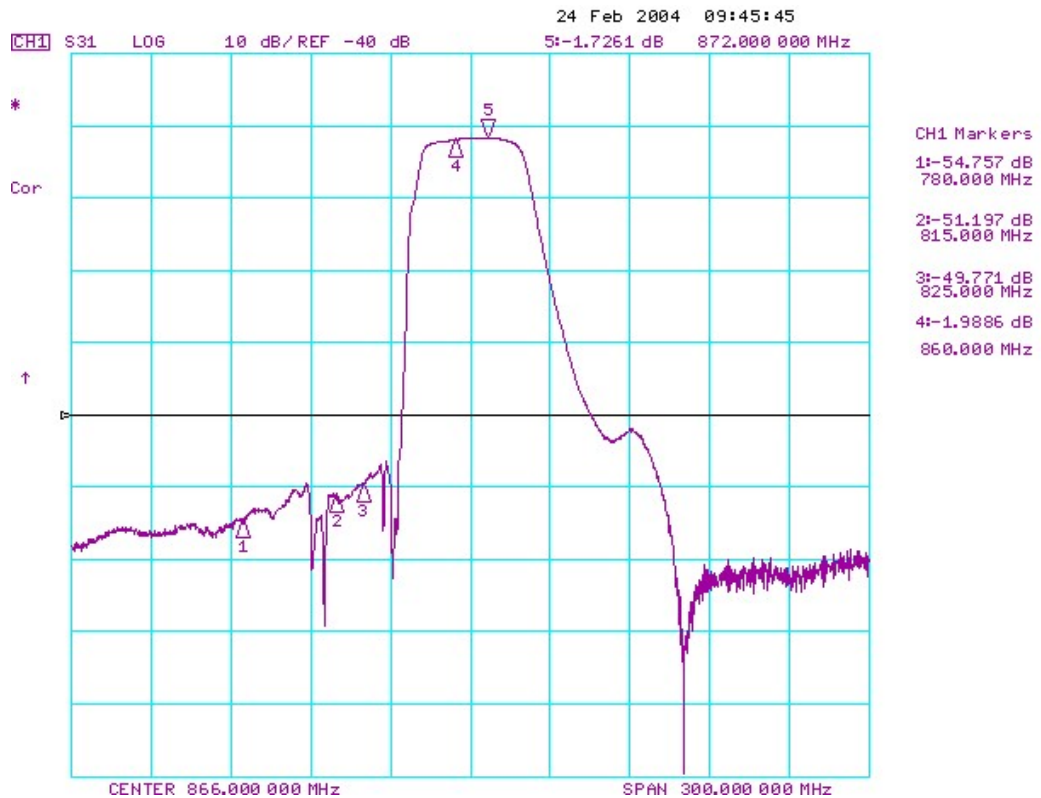
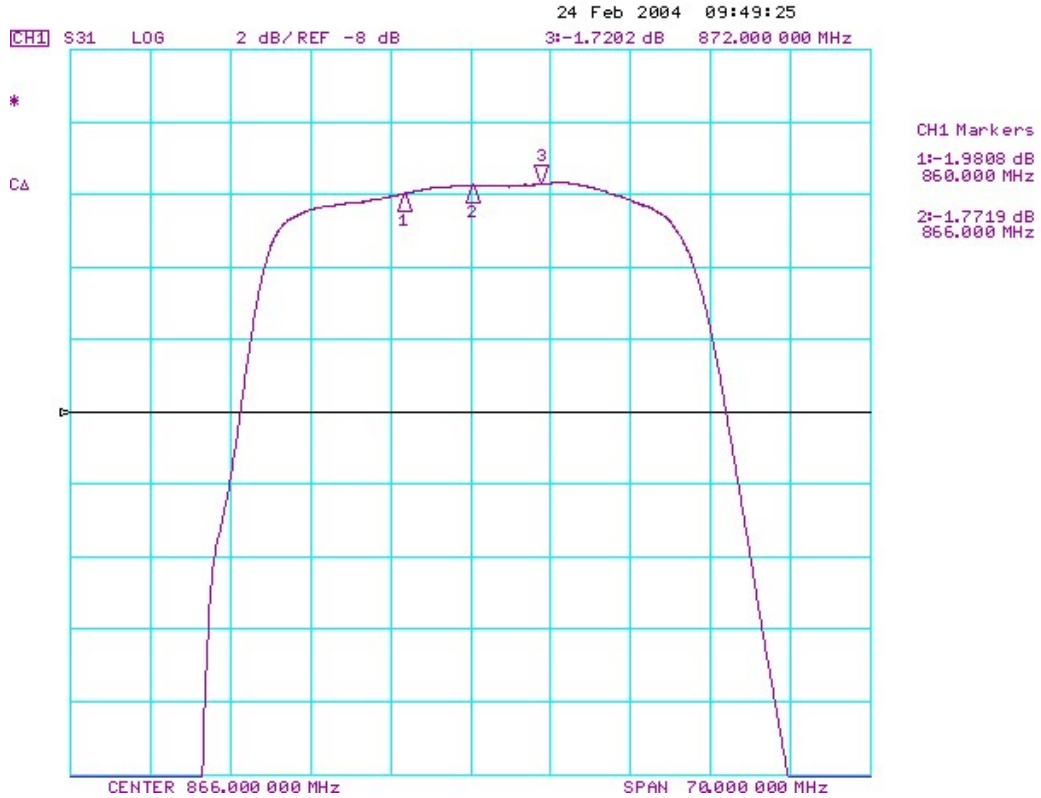
**C. MEASUREMENT CIRCUIT:**



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**D. FREQUENCY CHARACTERISTICS:**

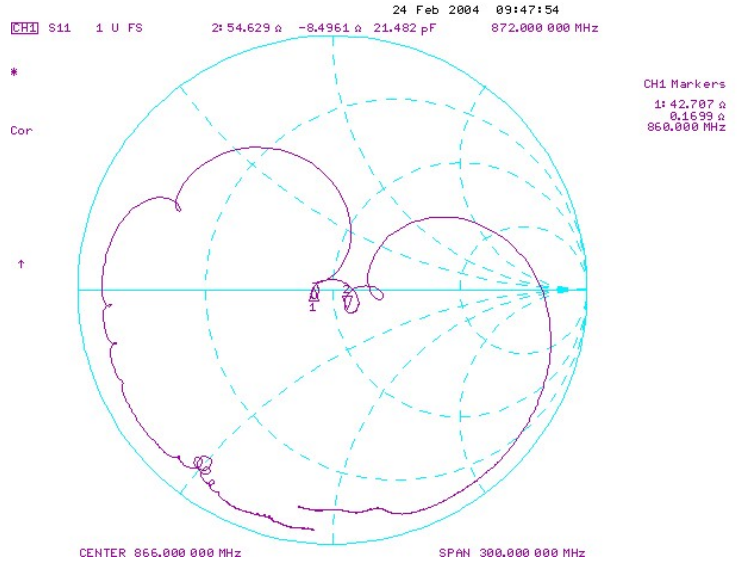
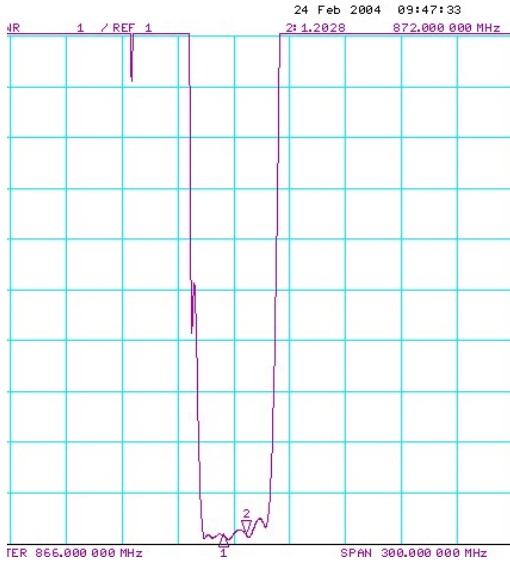


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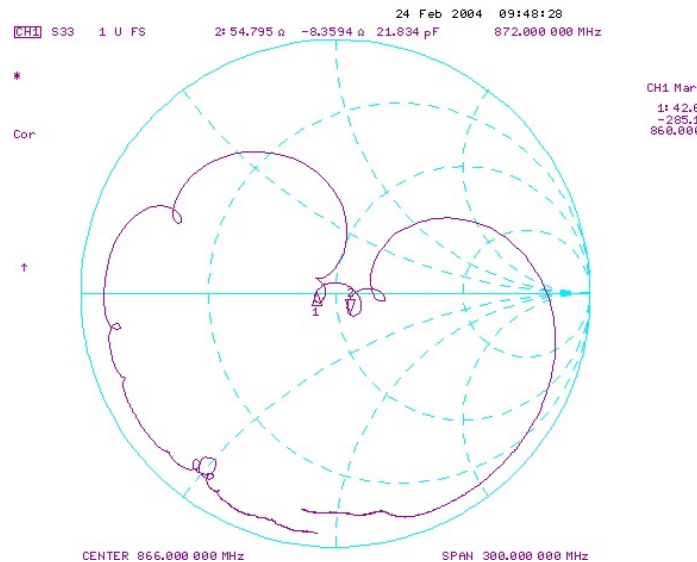
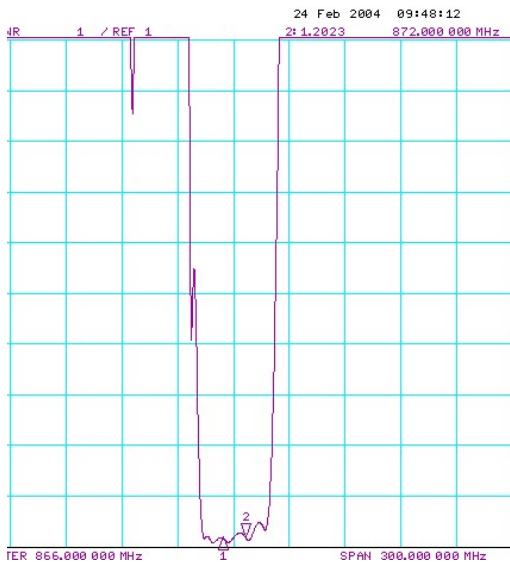
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Reflections Functions

S11



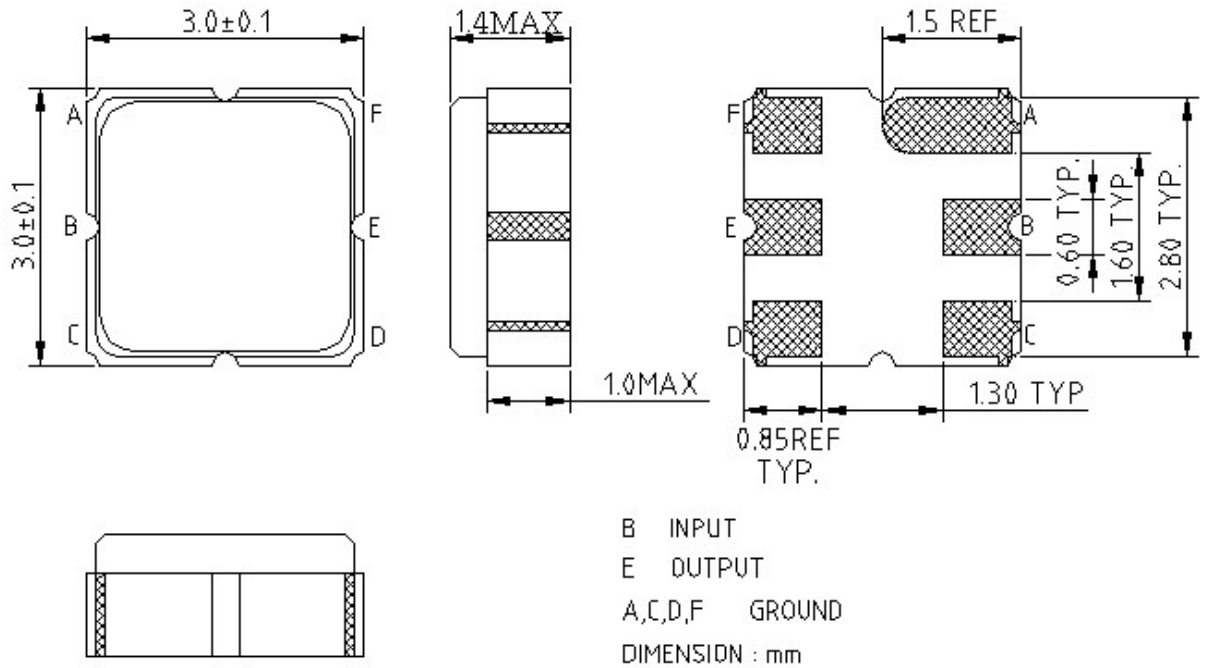
S22



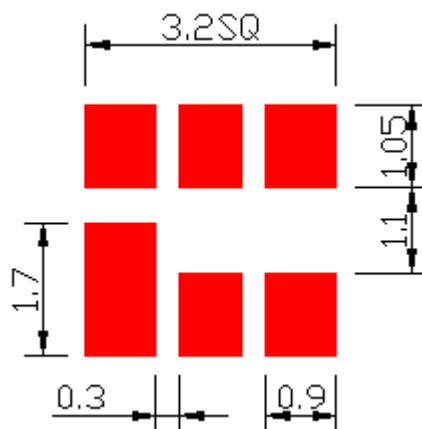
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**E. OUTLINE DRAWING:**



**F. PCB FOOTPRINT:**



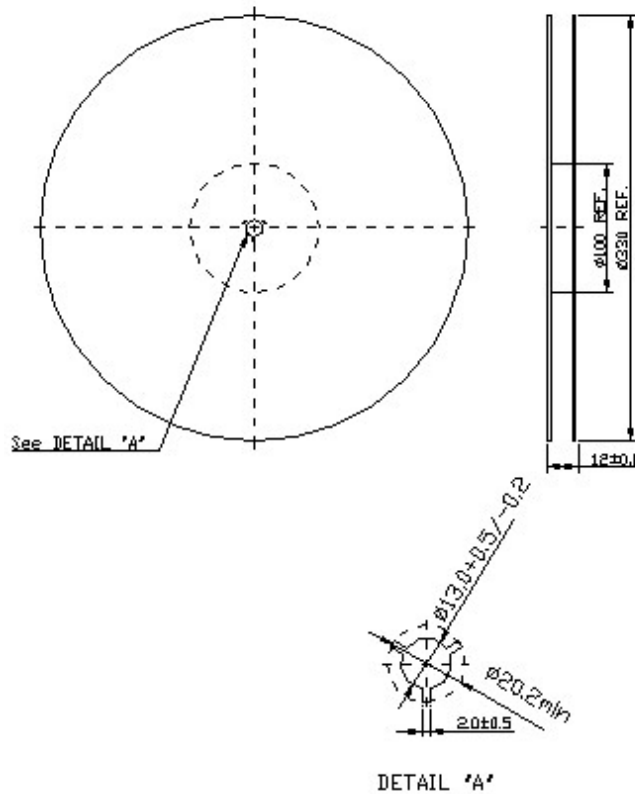
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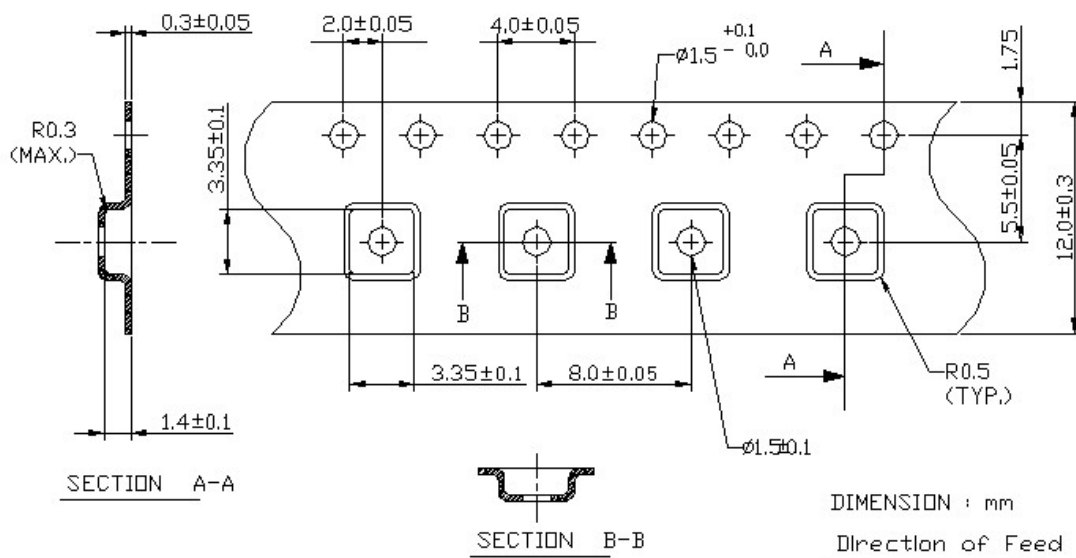
**G. PACKING:**

1. Reel Dimension

(Please refer to FR-75D10 for packing quantity)



2. Tape Dimension



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**H. RECOMMENDED REFLOW PROFILE:**

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 245 ~ 260°C peak (min. 10sec).
4. Time: 2 times.

