

**SAW Filter 923.50MHz**  
**Part No: MP02330**

**Model: TA0644A**  
**Rev No: 2**

**A. MAXIMUM RATING:**

Electrostatic Sensitive Device (ESD)

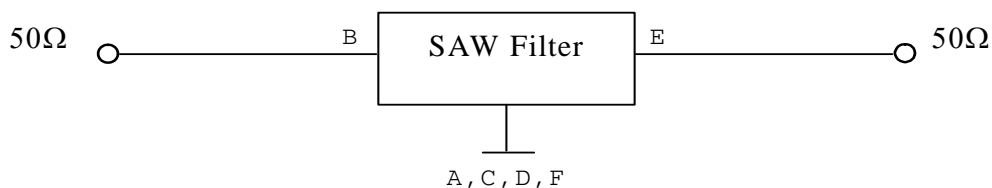
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	923.5	-	-
Insertion Loss (919 ~ 928MHz) IL	dB	-	2.6	3.8	-
Amplitude Ripple (919 ~ 928MHz)	dB	-	0.6	3	-
VSWR (919 ~ 928MHz)		-	1.3	2.2	-
Attenuation (Reference level from 0dB)					
D.C ~ 880MHz	dB	30	53	-	-
880 ~ 900MHz	dB	20	50	-	-
900 ~ 910MHz	dB	10	24	-	-
940 ~ 1000MHz	dB	10	34	-	-
1000 ~ 3000MHz	dB	20	31	-	-

**C. MEASUREMENT CIRCUIT:**

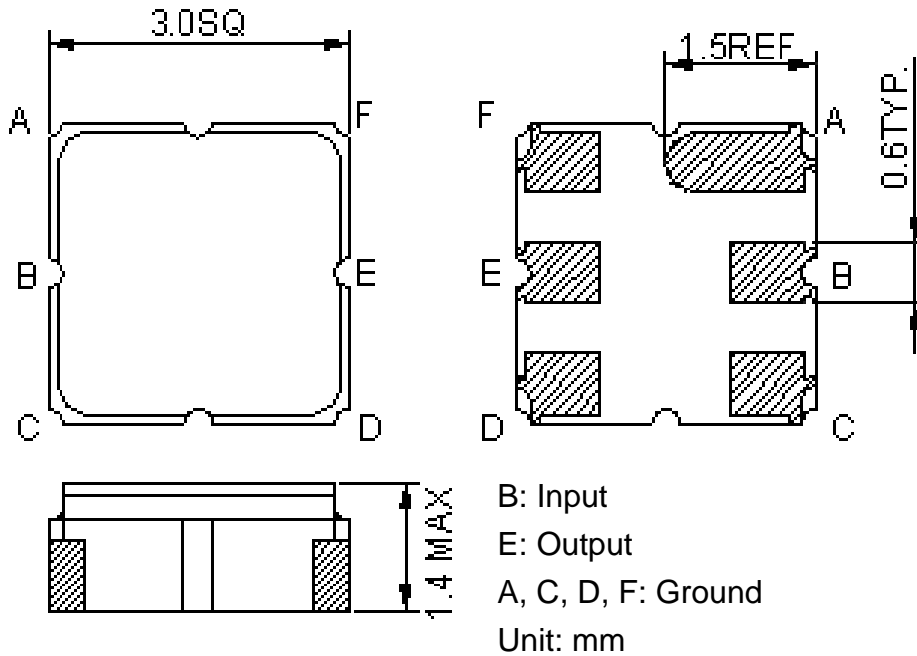
HP Network analyzer



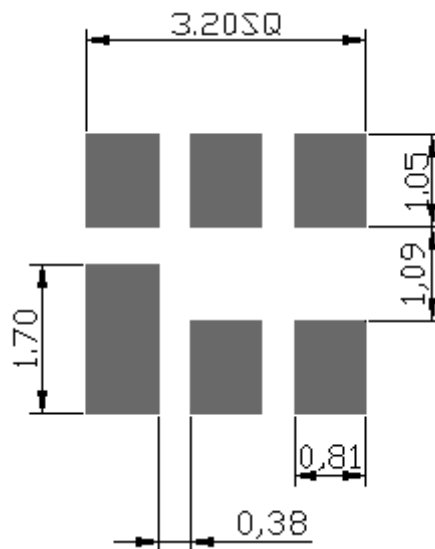
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**D. OUTLINE DRAWING:**



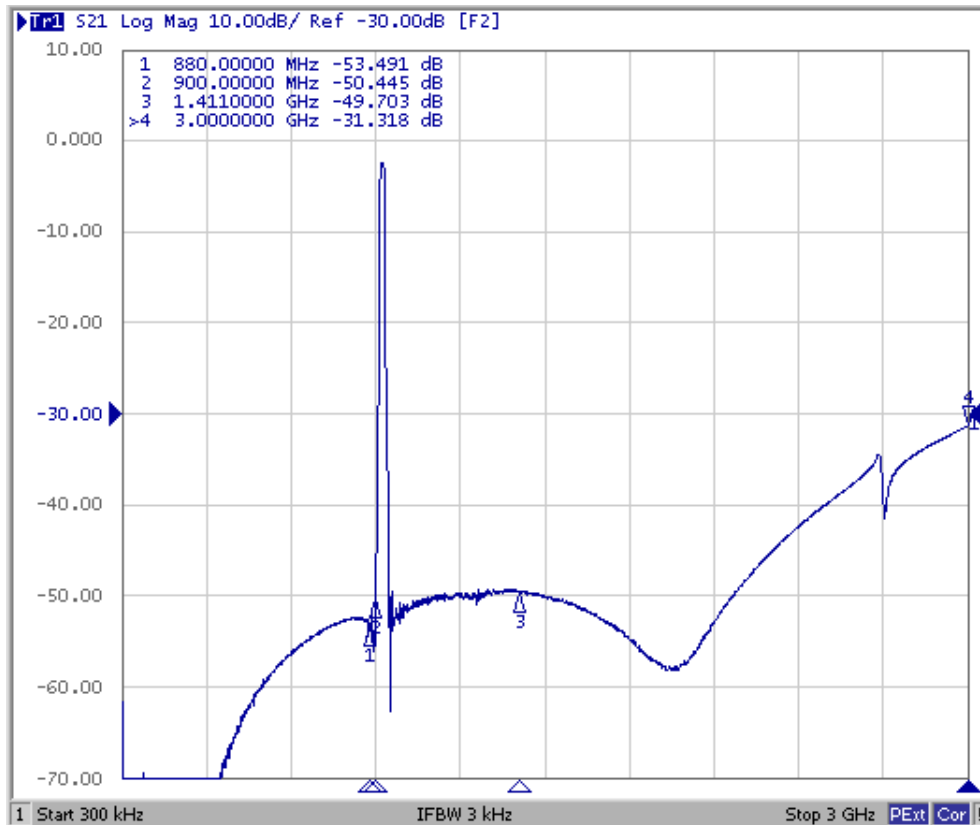
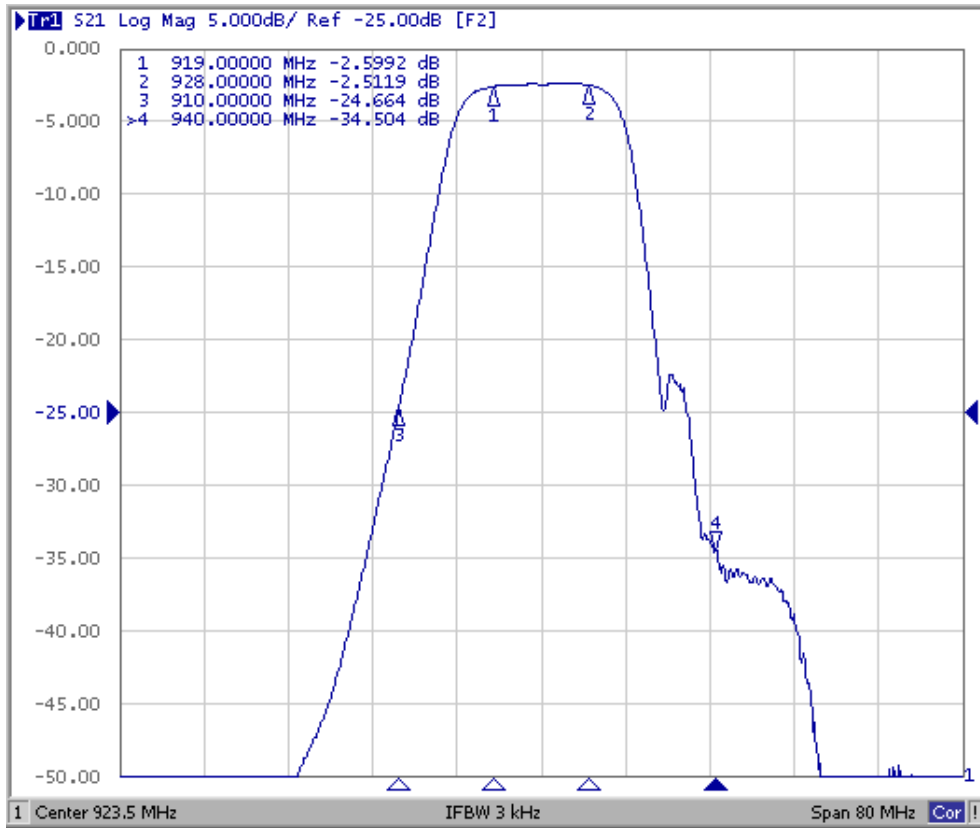
**E. PCB FOOTPRINT:**



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**F. FREQUENCY CHARACTERISTICS:**

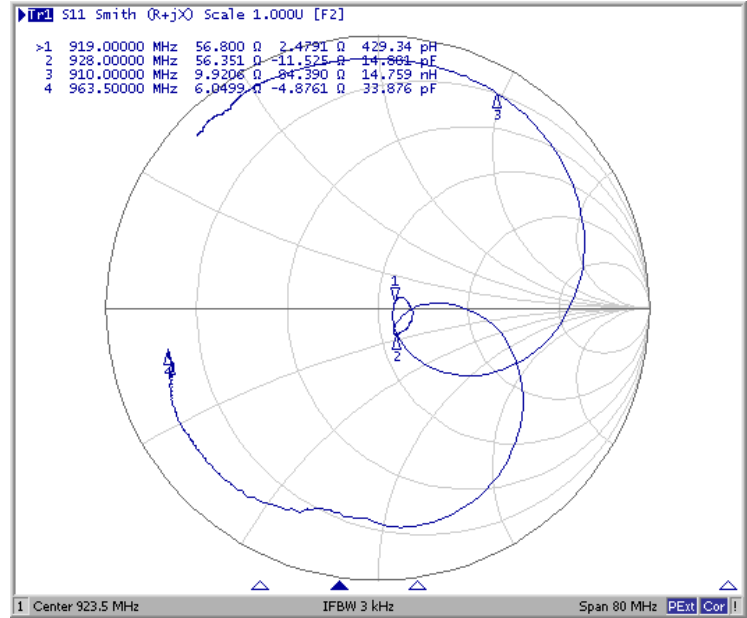
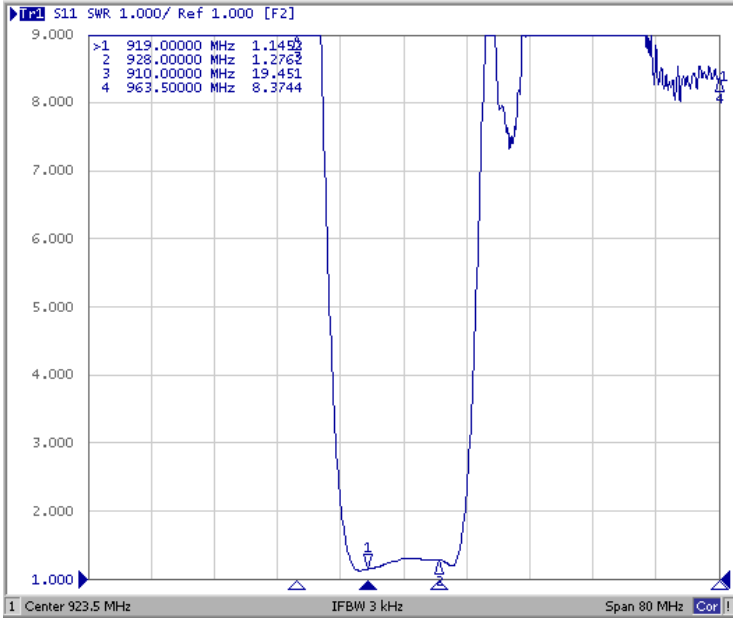


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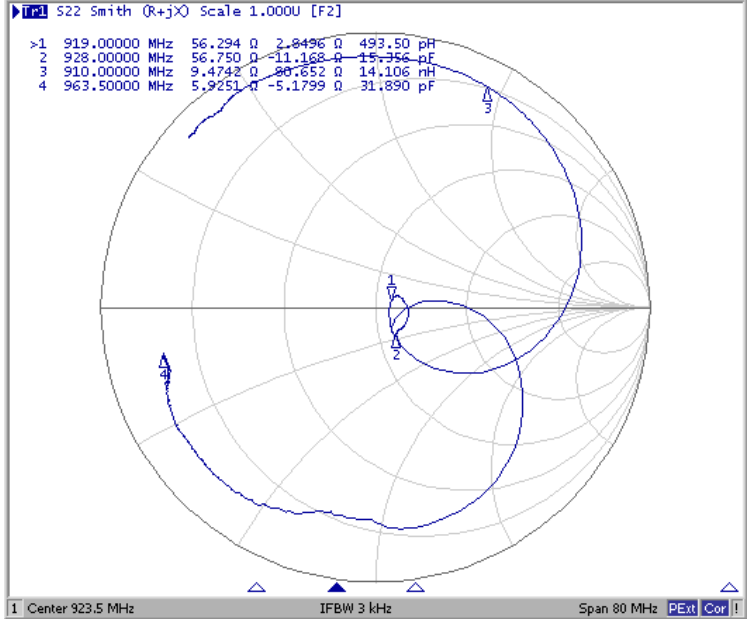
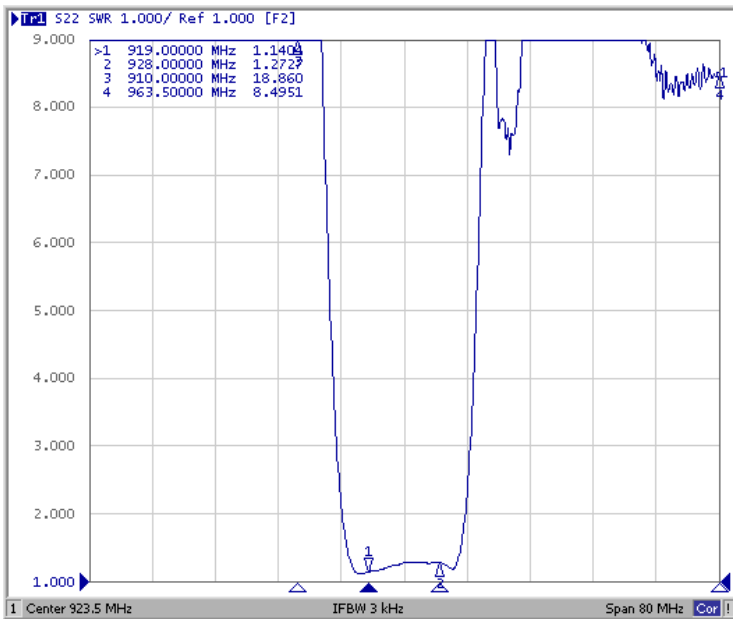
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Reflection Functions:

S11



S22

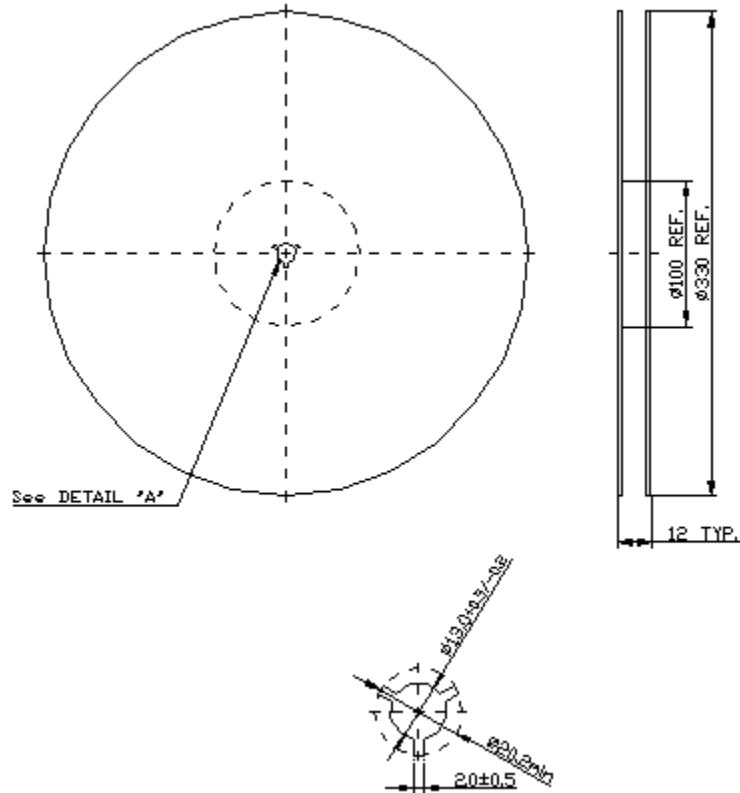


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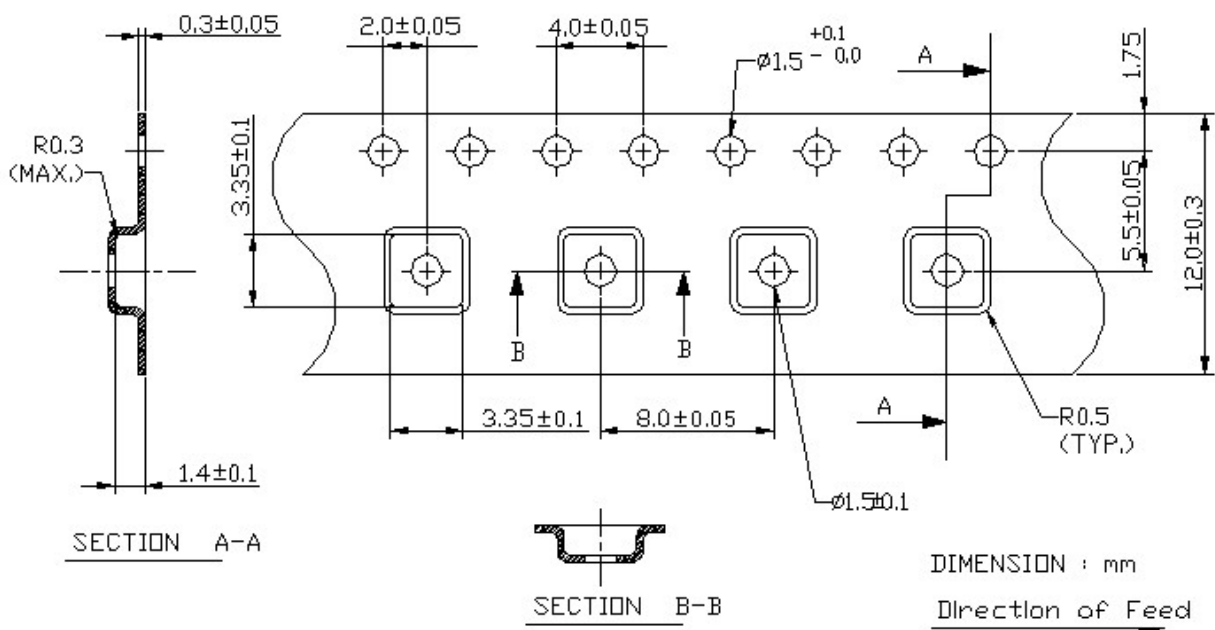
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**G. PACKING:**

1. Reel Dimension



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. 10 sec).
4. Time: 2 times.

