

**SAW Filter 433.0MHz**  
**Part No: MP08396**

**Model: TA1914A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

Electrostatic Sensitive Device (ESD)

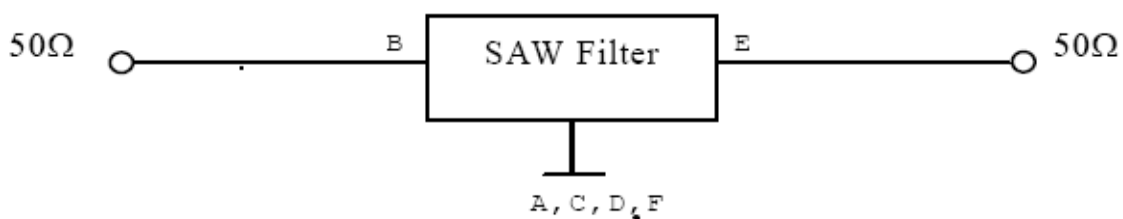
1. Input Power Level: 10dBm
2. DC Voltage: 3 V
3. Operating Temperature: -30°C to +60°C
4. Storage Temperature: -30°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	433	-
Min. Insertion Loss IL min	dB	-	1.3	2.3
Pass band Ripple (427.5 ~ 438.5MHz)	dB		0.9	1.2
Bandwidth BW-3dB	MHz	11	23	-
Group delay variation (427.5 ~ 438.5MHz)	ns	-	35	100
Attenuation (Reference level from 0dB)				
10 ~ 410MHz	dB	35	52	-
470 ~ 680MHz	dB	35	45	
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

**C. MEASUREMENT CIRCUIT:**

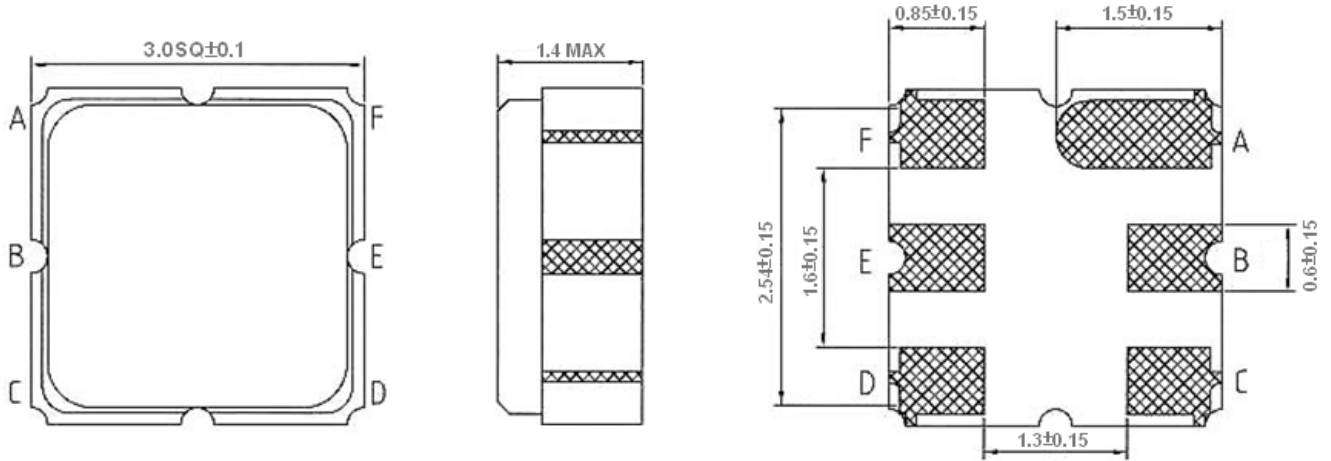
HP Network analyzer



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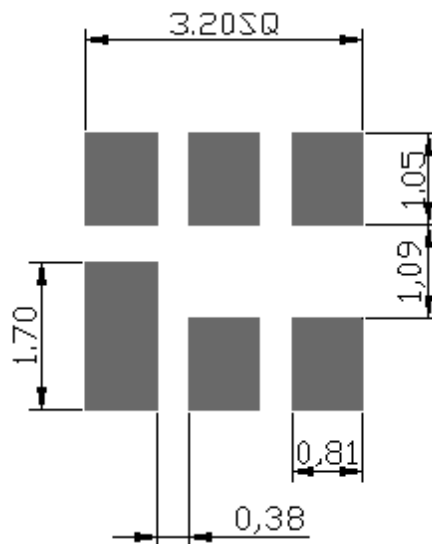
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**D. OUTLINE DRAWING:**



B: Input  
E: Output  
A, C, D, F: Ground  
Unit: mm

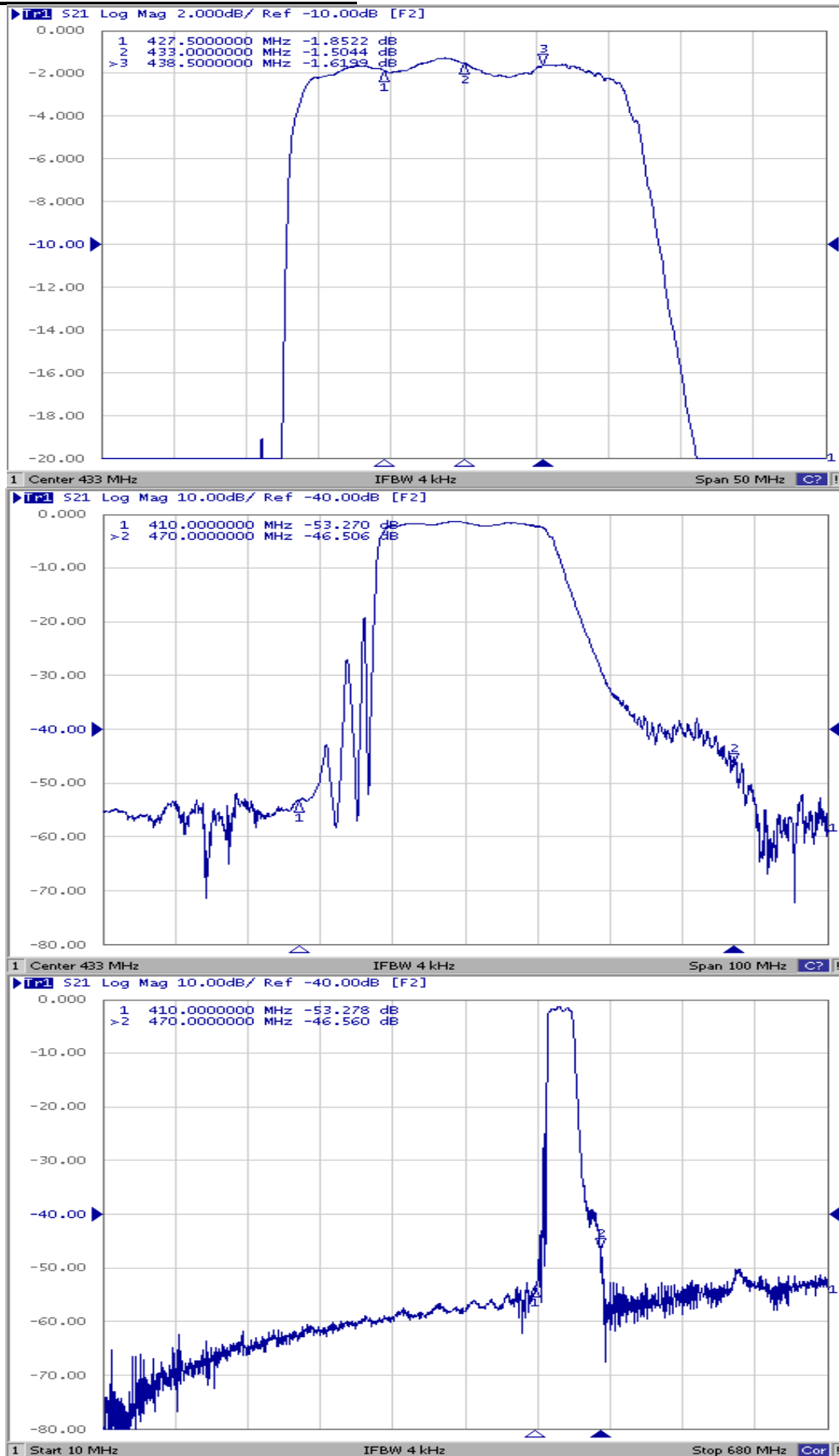
**E. PCB FOOTPRINT:**



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**F. FREQUENCY CHARACTERISTICS:**

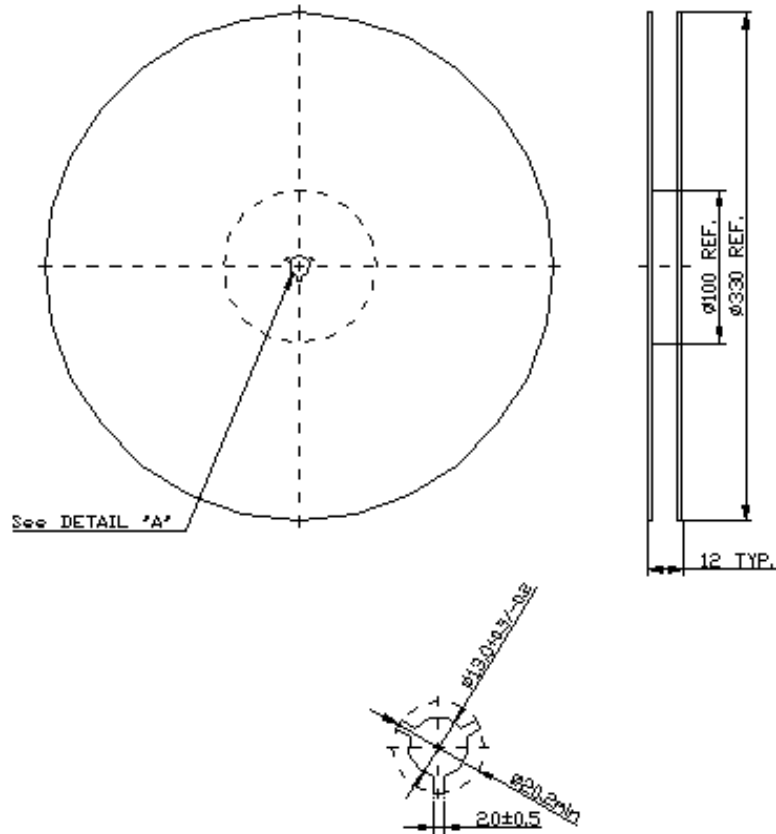


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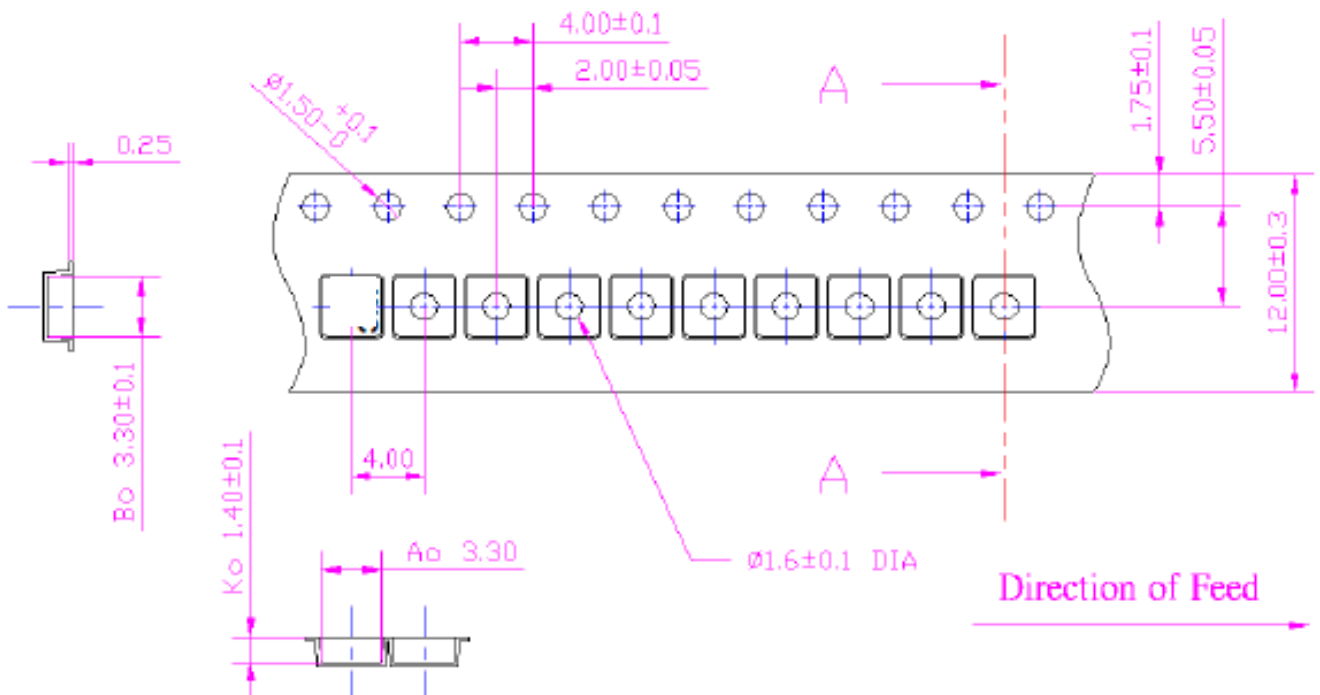
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**G. PACKING:**

1. Reel Dimensions



2. Tape Dimensions



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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 260°C +0/-5°C peak (20 ~ 40 sec).
4. Time: 2 times.

