

**SAW Filter 978.0MHz**  
**Part No: MP04378**

**Model: TA1233A**  
**Rev No: 1**

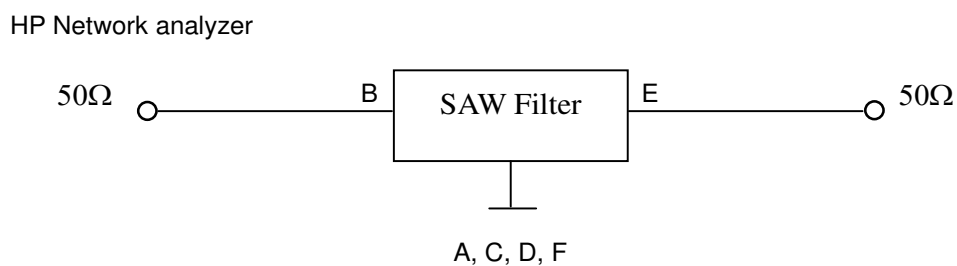
**A. MAXIMUM RATING:**

1. Input Power Level: 15dBm
2. DC Voltage: 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	978	-
Min. Insertion Loss IL	dB	-	2	2.5
Amplitude Ripple (975 ~ 981MHz)	dB	-	0.2	1.0
Return Loss (975 ~ 981MHz)	dB	9	10.5	-
Attenuation (Reference level from 0dB)				
10 ~ 920MHz	dB	30	51	-
1035 ~ 1660MHz	dB	30	46	-
1660 ~ 2060MHz	dB	25	54	-
2060 ~ 3000MHz	dB	15	32	-

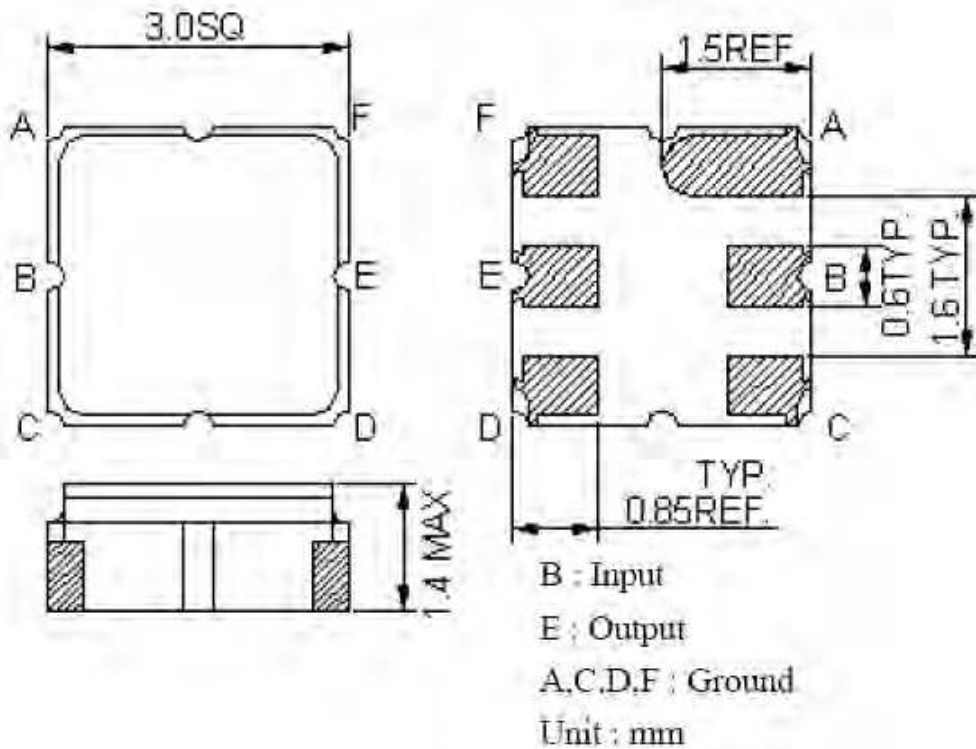
**C. MEASUREMENT CIRCUIT:**



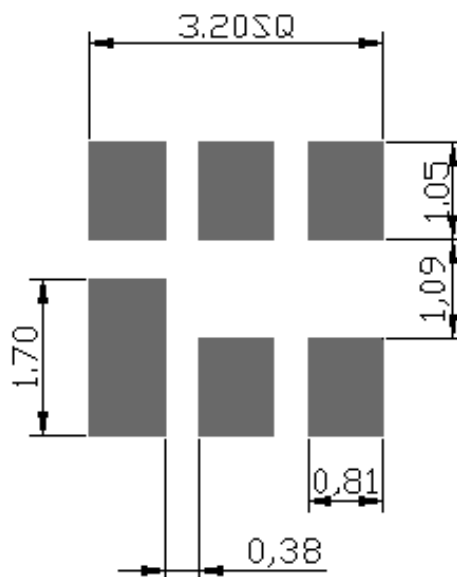
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**D. OUTLINE DRAWING:**



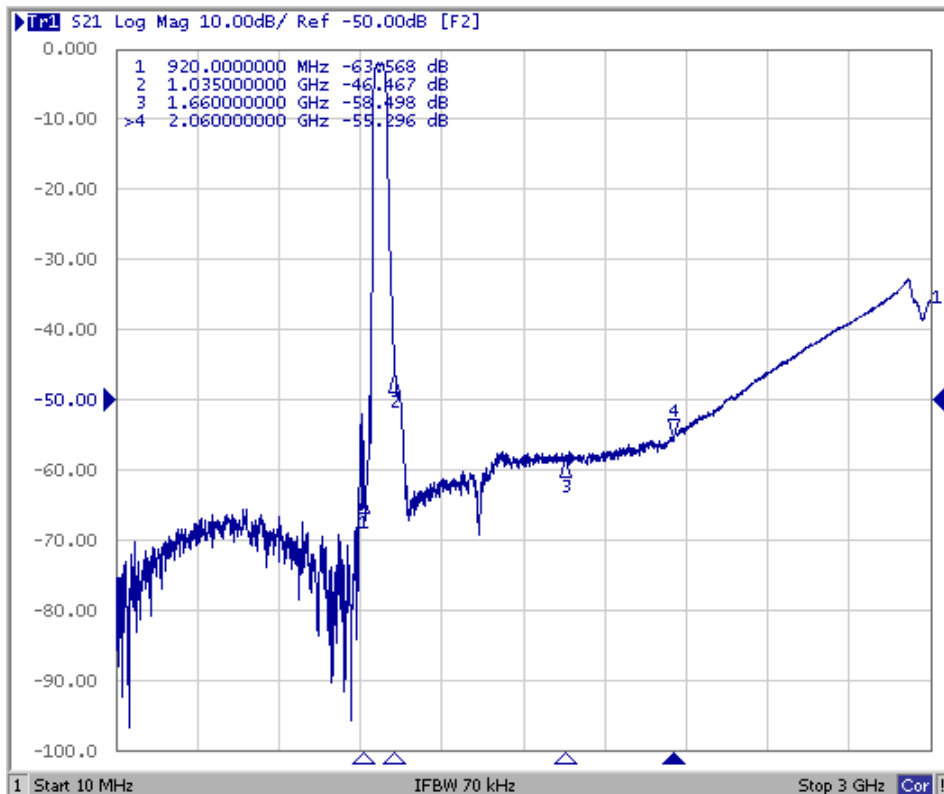
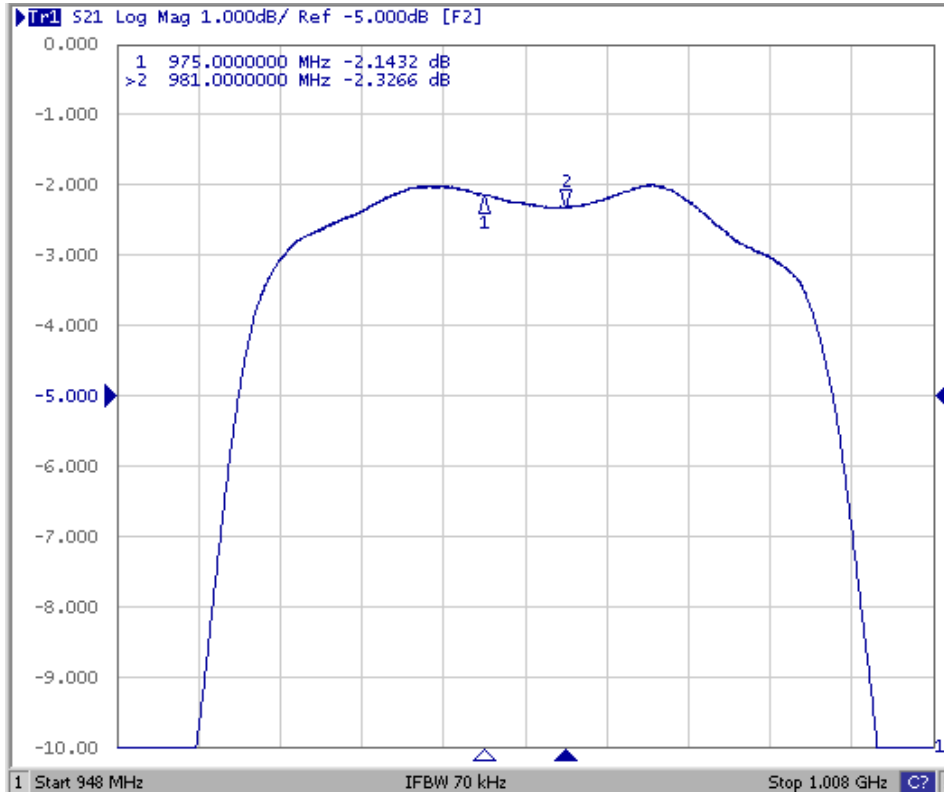
**E. PCB FOOTPRINT:**



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**F. FREQUENCY CHARACTERISTICS:**

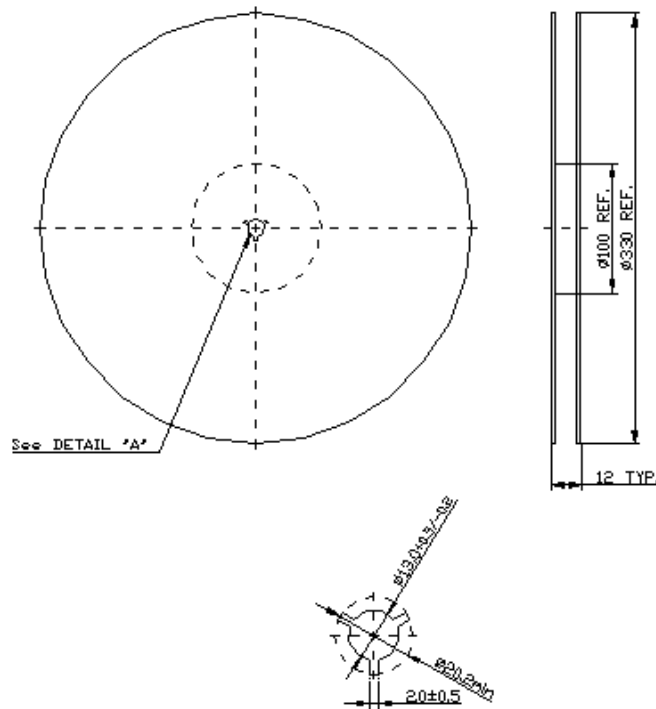


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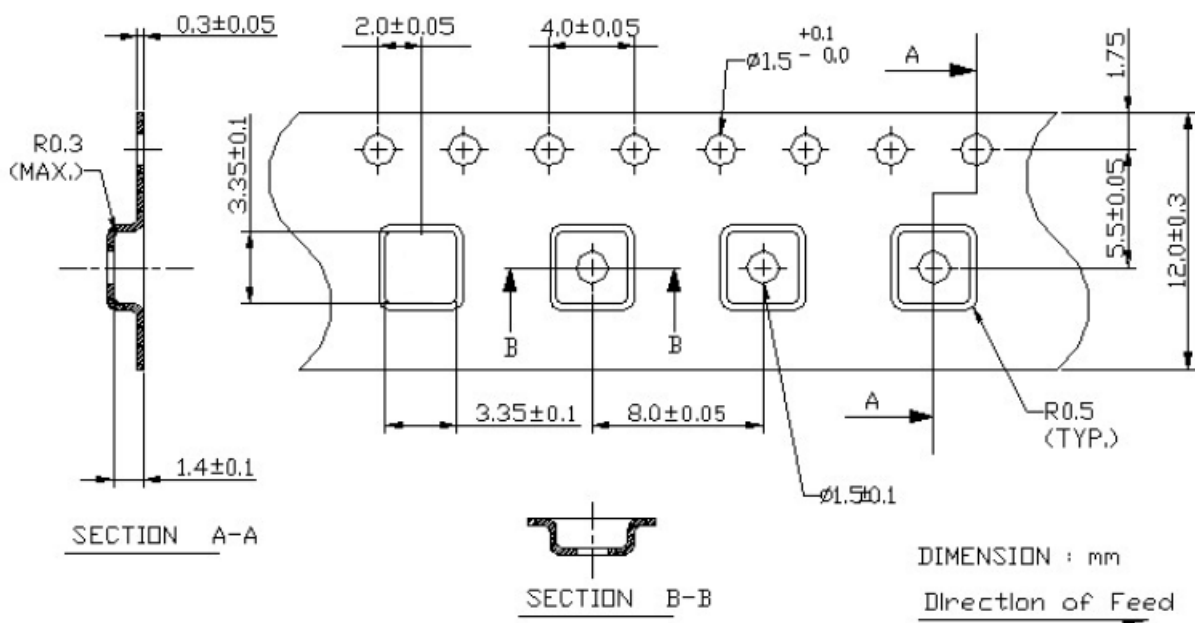
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**G. PACKING:**

1. Reel Dimension



2. Tape Dimension



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**H. RECOMMENDED REFLOW PROFILE:**

