

**1000MHz SAW Resonator**  
**Part No: MP01036**

**Model: TC0337A**  
**REV NO.: 1**

**A. FEATURES:**

- 1-Port Resonator.

**B. MAXIMUM RATING:**

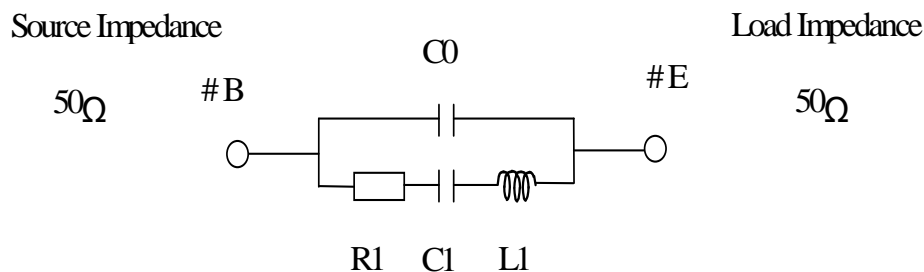
- 1.Input Power Level: 10 dBm
- 2.DC voltage: 3 V
- 3.Operating Temperature: -40°C to +85°C
- 4.Storage Temperature: -40°C to +85°C

**C. ELECTRICAL CHARACTERISTICS:**

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	999.950	1000	1000.050
Insertion Loss IL	dB	-	1.75	2.3
Equivalent Elements				
Motional capacitance C1	fF	-	0.92	-
Motional inductance L1	μH	-	27.5	-
Motional resistance R1	Ohm	-	21.5	-
Parallel capacitance Co	pF	-	2.11	-
Temp.coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	-	25	-
Package size		SMD 3.8X3.8X1.4mm		

**D. EQUIVALENT CIRCUIT:**

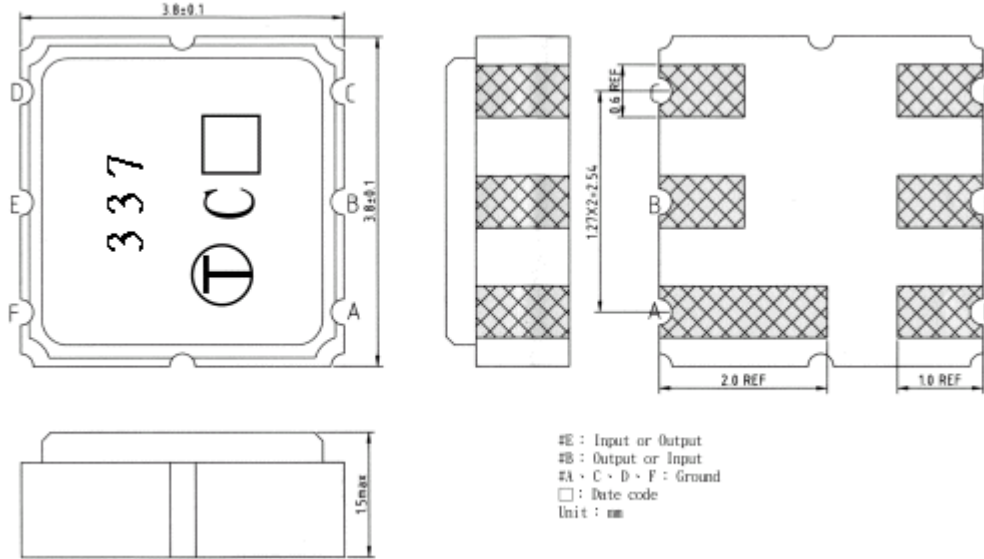
One-Port Resonator:



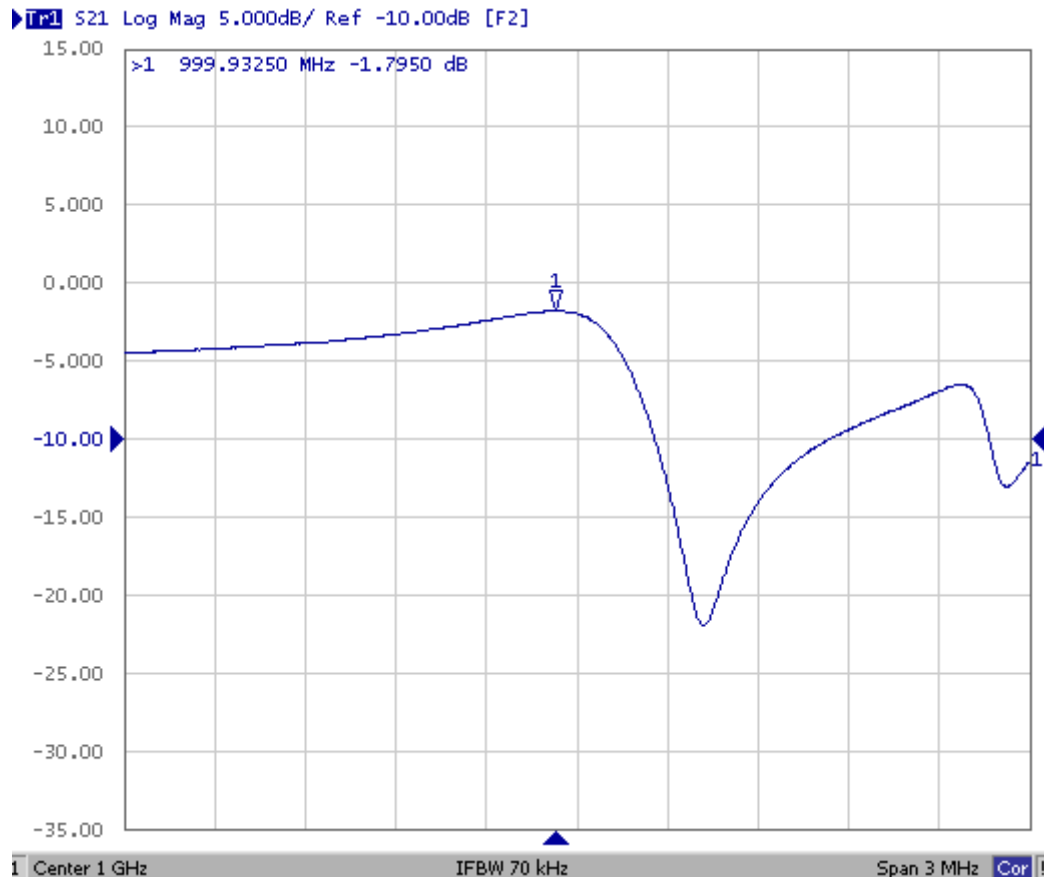
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**E. OUTLINE DRAWING:**



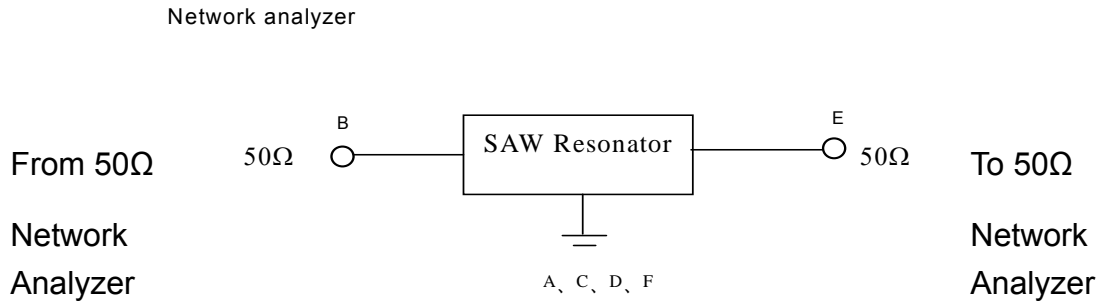
**F. FREQUENCY CHARACTERISTICS**



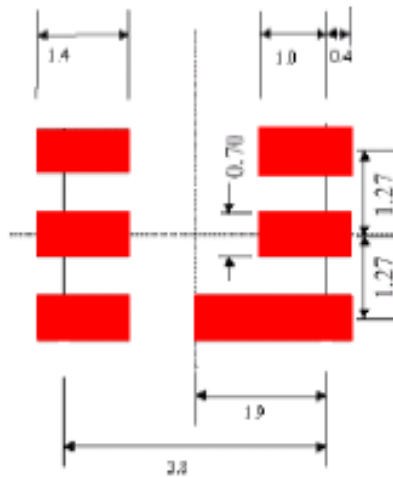
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**G. TEST CIRCUIT:**



**H. LAND PATTERN:**

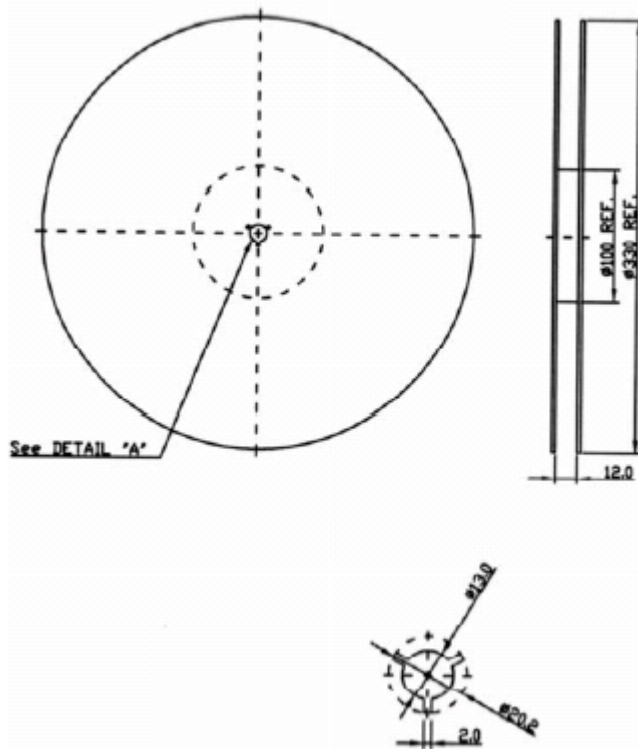


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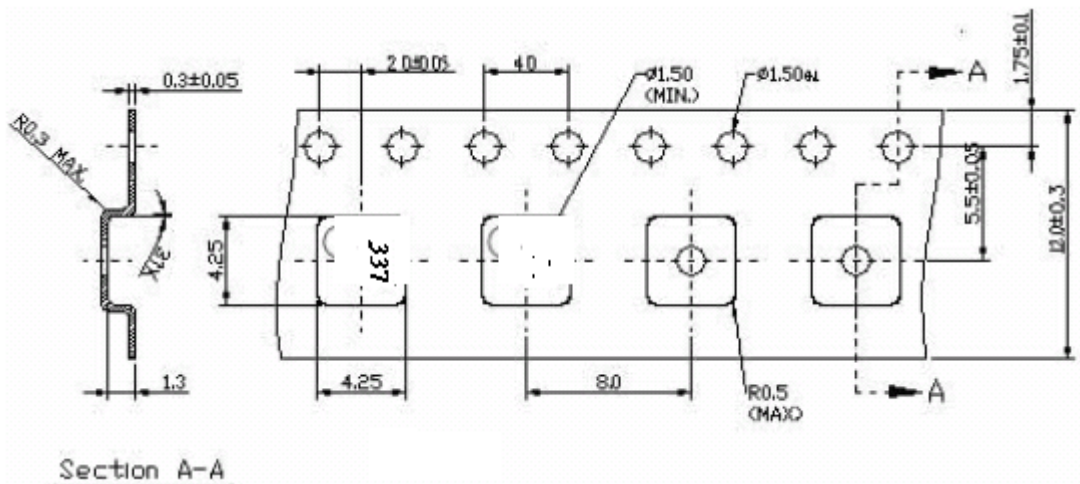
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**I. PACKING:**

1. REEL DIMENSION



2. TAPE DIMENSION



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**J. RECOMMENDED REFLOW PROFILE:**

