

**800.0MHz SAW Resonator**

**Model: TC0314A**

**Part No: MA09356**

**REV NO.: 1**

**A. FEATURES:**

- 1-Port Resonator.

**B. MAXIMUM RATING:**

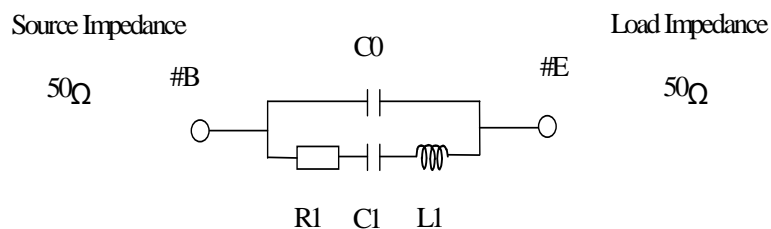
1. Input Power Level: 0 dBm
2. DC voltage: 12 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

**C. ELECTRICAL CHARACTERISTICS:**

Characteristic	Units	Minimum	Typical	Maximum
Center frequency <b>Fr</b>	<b>MHz</b>	799.925	800	800.075
Insertion Loss <b>IL</b>	<b>dB</b>		1.3	2.3
Unloaded Quality factor		-	8700	-
Equivalent Elements				
Motional capacitance <b>C1</b>	<b>fF</b>	-	1.46	-
Motional inductance <b>L1</b>	<b>μH</b>	-	26.9	-
Motional resistance <b>R1</b>	<b>Ohm</b>	-	15.47	-
Parallel capacitance <b>Co</b>	<b>pF</b>	-	2.59	-
Temp.coeff.	<b>ppm/c*2</b>	-	0.032	-
Turnover <b>To</b>	<b>deg.C</b>	-	25	-
Package size		SMD 3.8X3.8X1.4mm		

**D. EQUIVALENT CIRCUIT:**

One-Port Resonator:



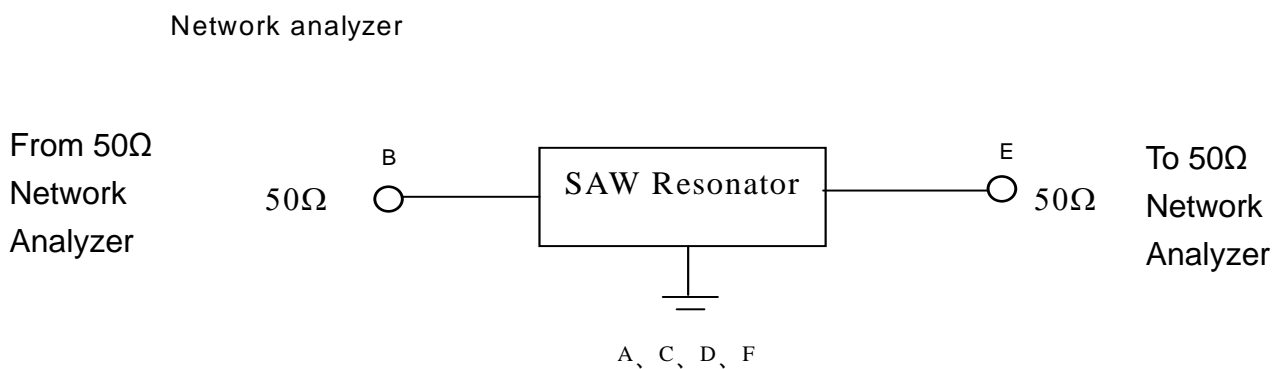
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**E. FREQUENCY CHARACTERISTICS:**



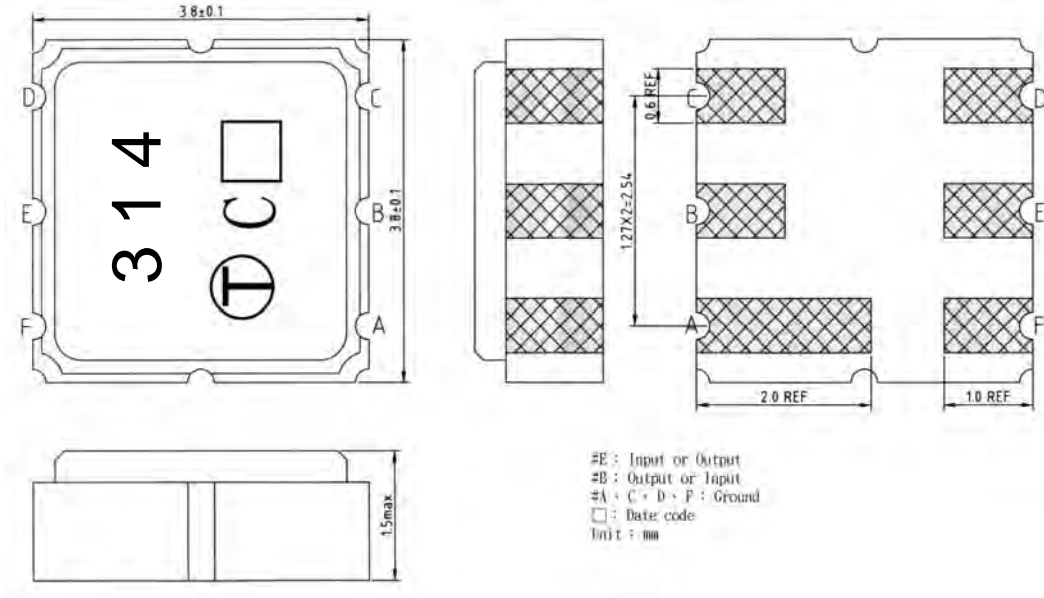
**F. TEST CIRCUIT:**



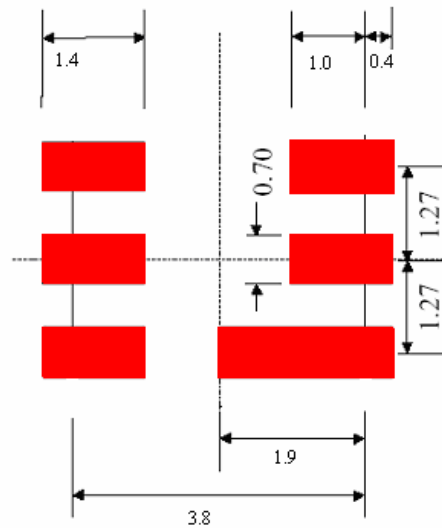
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**G. OUTLINE DRAWING:**



**H. PCB FOOTPRINT:**

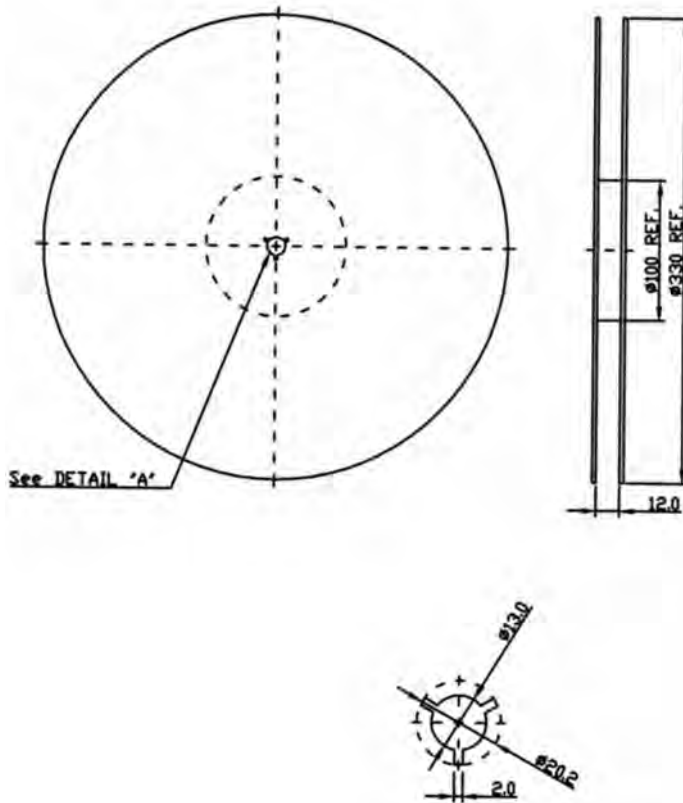


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**I. PACKING:**

1. REEL DIMENSION



2. TAPE DIMENSION

