

**359.40MHz SAW Resonator**  
**Part No: MA09559**

**Model: TC0310A**  
**REV NO.: 2**

**A. FEATURES:**

- 1-Port Resonator.

**B. MAXIMUM RATING:**

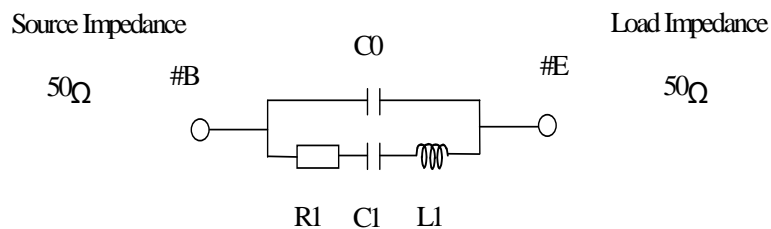
1. Input Power Level: 0 dBm
2. DC voltage: 12 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

**C. ELECTRICAL CHARACTERISTICS:**

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	359.325	359.4	359.475
Insertion Loss IL	dB		1.3	2.0
Unloaded Quality factor		-	7645	-
Equivalent Elements				
Motional capacitance C1	fF	-	2.918	-
Motional inductance L1	μH	-	67.21	-
Motional resistance R1	Ohm	-	19.85	-
Parallel capacitance Co	pF	-	4.26	-
Temp.coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	-	25	-
Package size		SMD 3.8X3.8X1.4mm		

**D. EQUIVALENT CIRCUIT:**

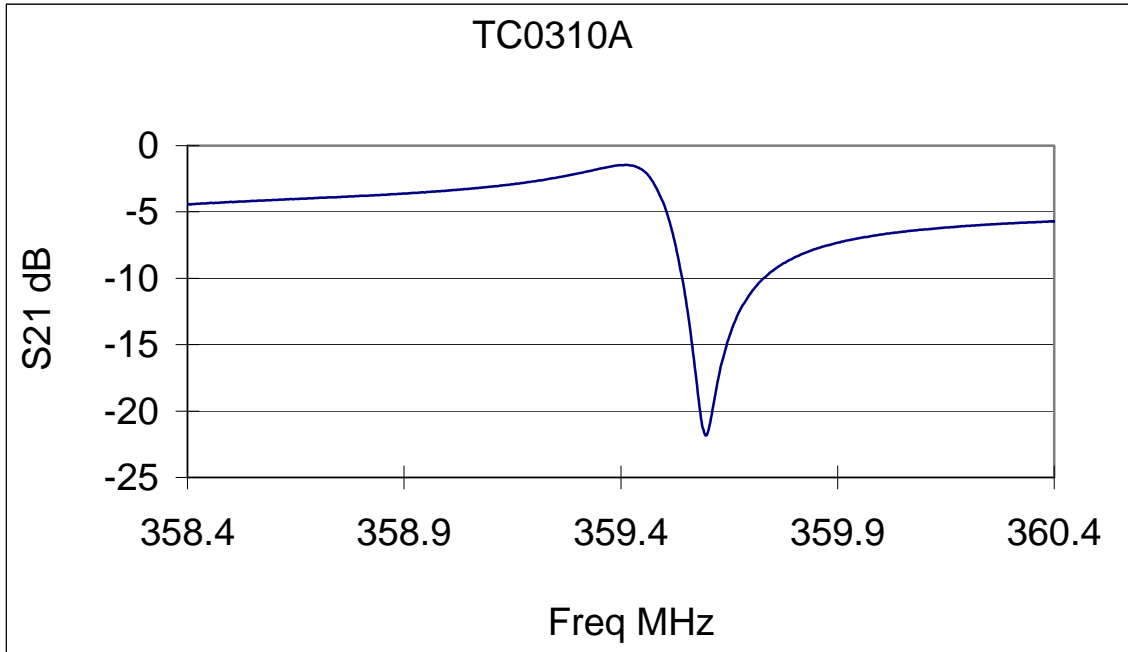
One-Port Resonator:



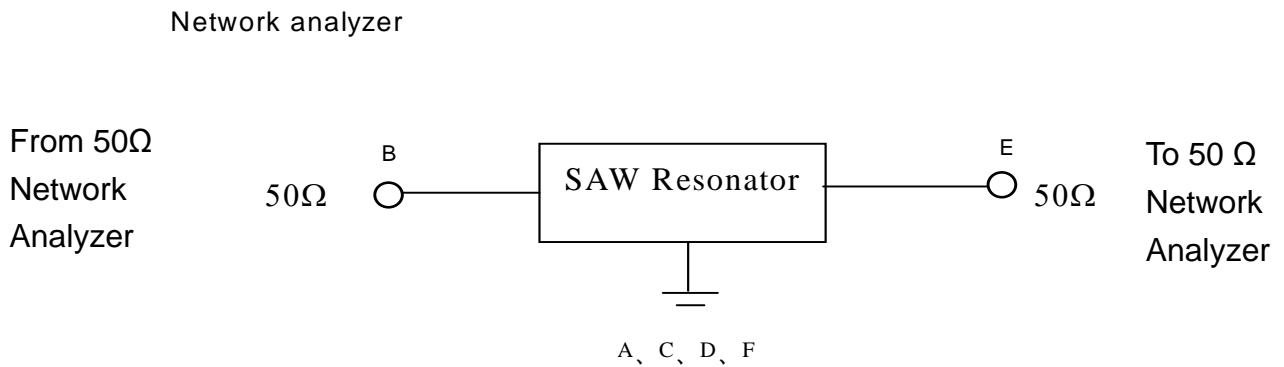
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**E. FREQUENCY CHARACTERISTICS:**



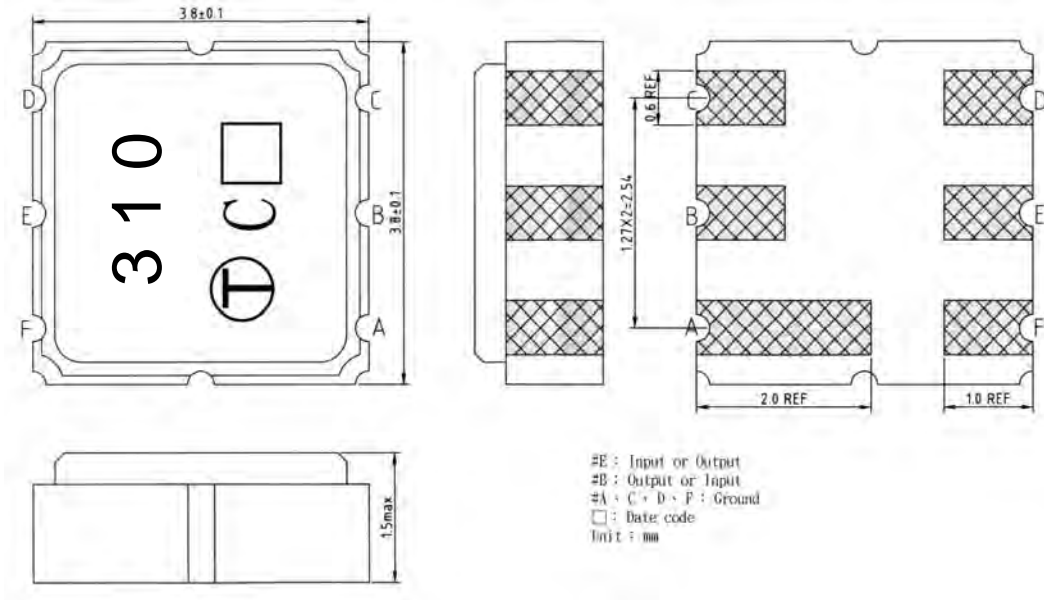
**F. TEST CIRCUIT:**



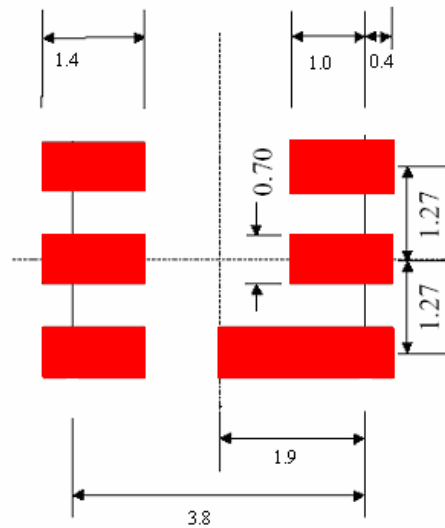
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**G. OUTLINE DRAWING:**



**H. PCB FOOTPRINT:**

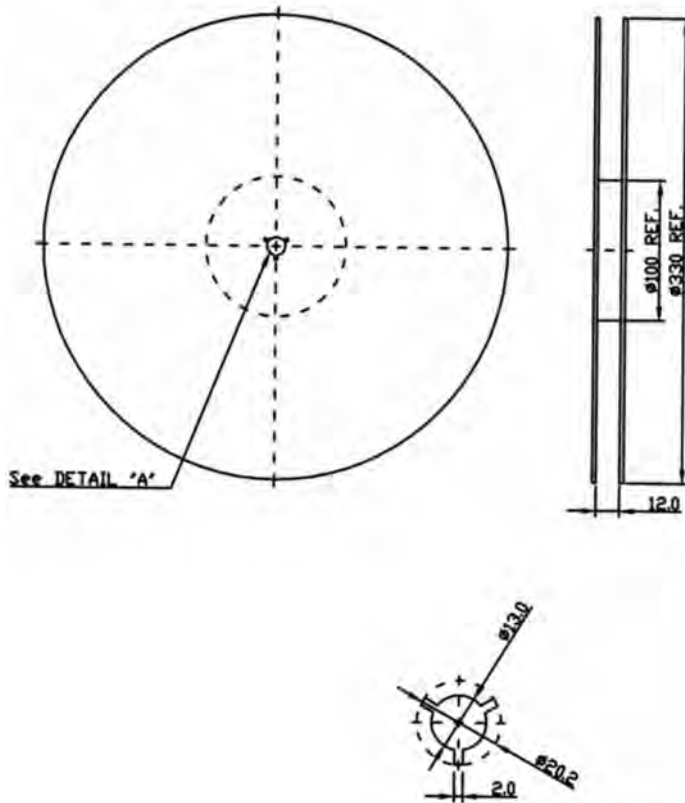


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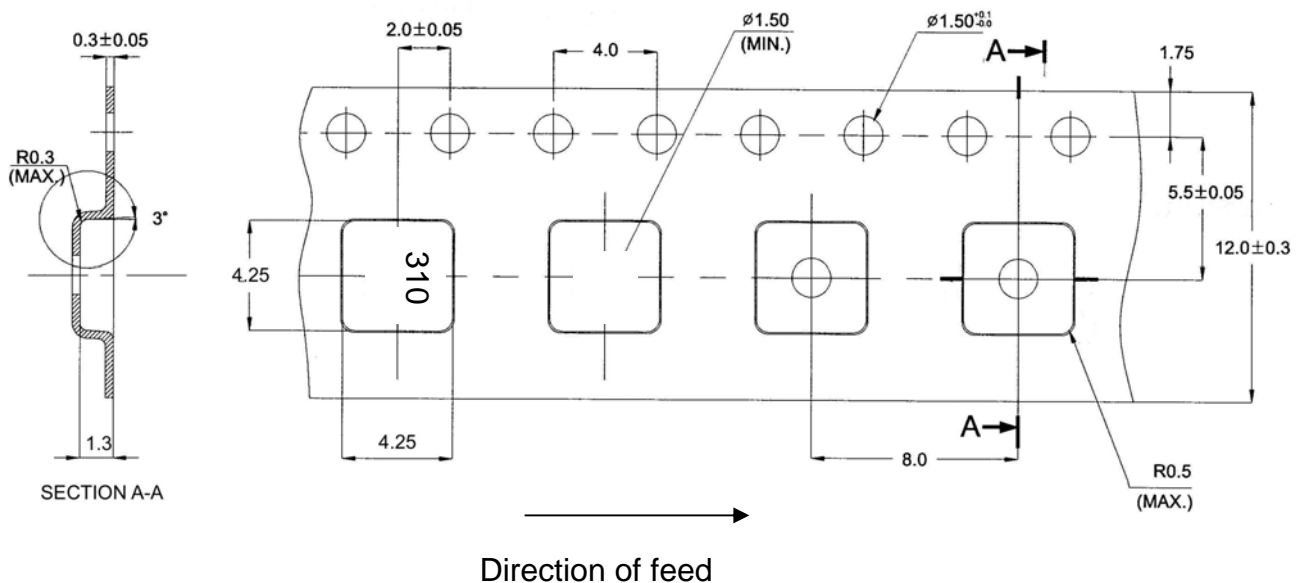
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**I. PACKING:**

1. REEL DIMENSION



2. TAPE DIMENSION



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**J. REFLOW PROFILE**

