

# SAW Resonator 1008 MHz

MODEL NO.: TC0539A

REV. NO.: 2.0

## A. FEATURES:

- 1-Port Resonator.

## B. MAXIMUM RATING:

1. Input Power Level: 0 dBm
2. DC voltage: 3 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitive Level: Level 1 (MSL1)

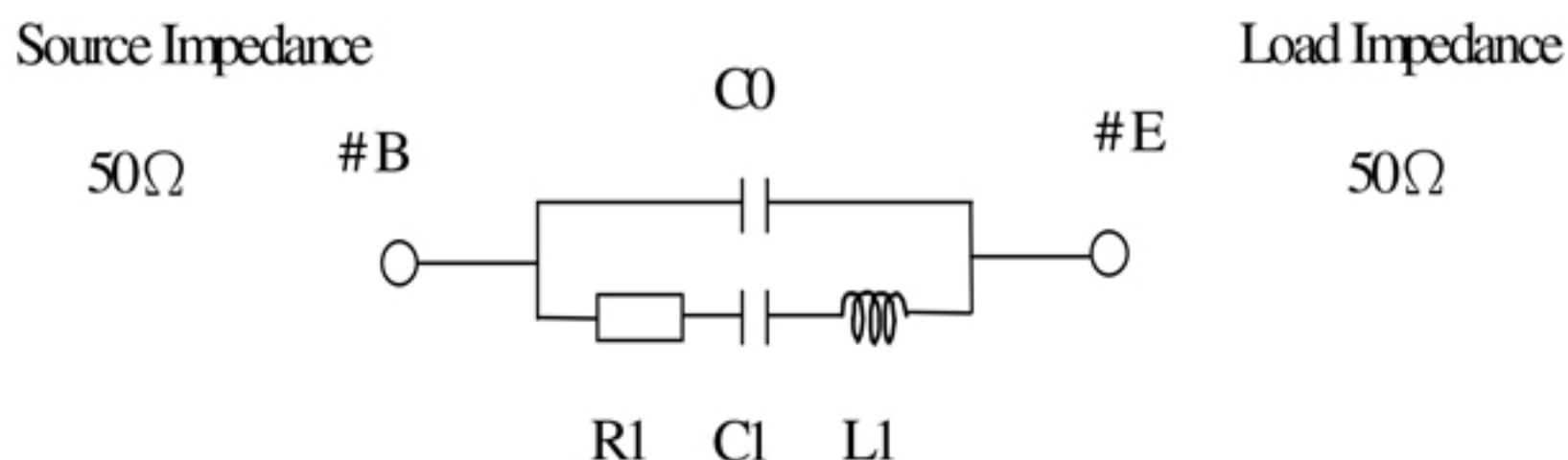
RoHS Compliant  
Lead free  
Lead-free soldering

## C. ELECTRICAL CHARACTERISTICS:

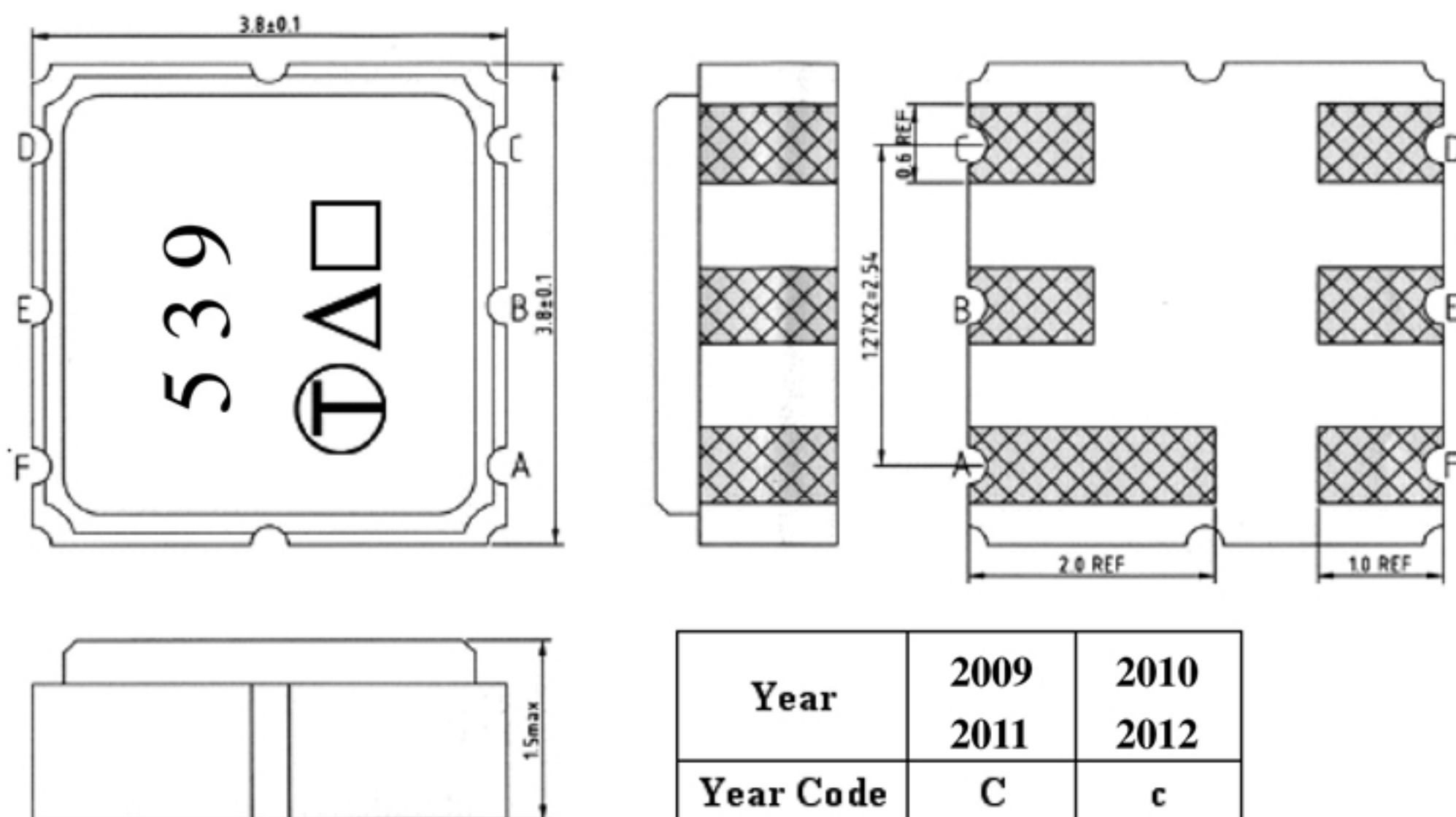
Characteristic	Units	Minimum	Typical	Maximum
Center frequency <b>Fr</b>	<b>MHz</b>	1007.950	1008.000	1008.050
Insertion Loss <b>IL</b>	<b>dB</b>	-	1.55	2.3
Equivalent Elements				
Motional capacitance <b>C1</b>	<b>fF</b>	-	1.25	-
Motional inductance <b>L1</b>	<b>μH</b>	-	19.9	-
Motional resistance <b>R1</b>	<b>Ohm</b>	-	15.3	-
Parallel capacitance <b>Co</b>	<b>pF</b>	-	2.35	-
Temp.coeff.	<b>ppm/c*2</b>	-	0.032	-
Turnover To	<b>deg.C</b>	-	25	-
Package size		SMD 3.8X3.8X1.4mm		

## D. EQUIVALENT CIRCUIT:

One-Port Resonator:



## E. OUTLINE DRAWING:



#E : Input or Output

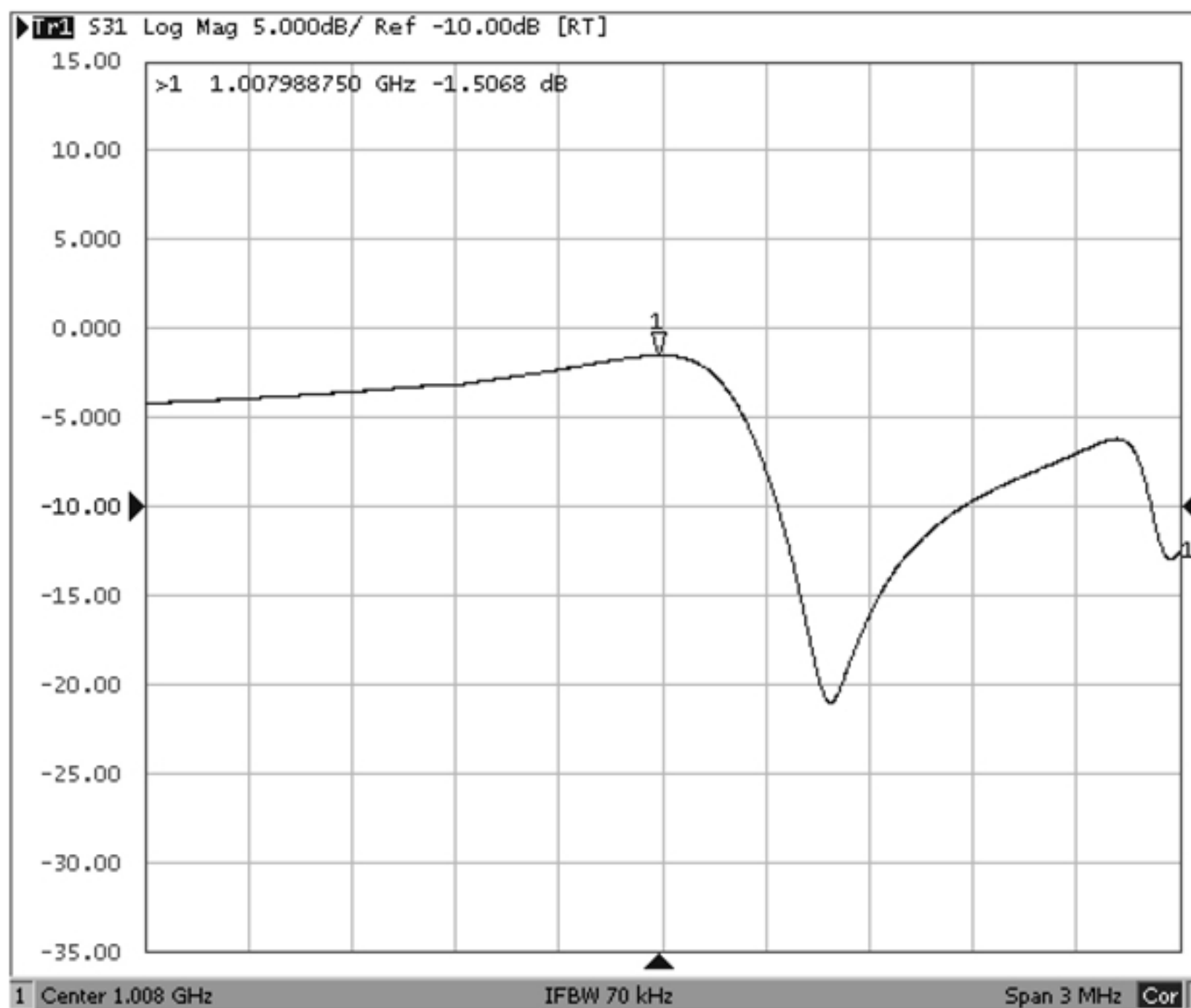
#B : Output or Input

#A、C、D、F : Ground

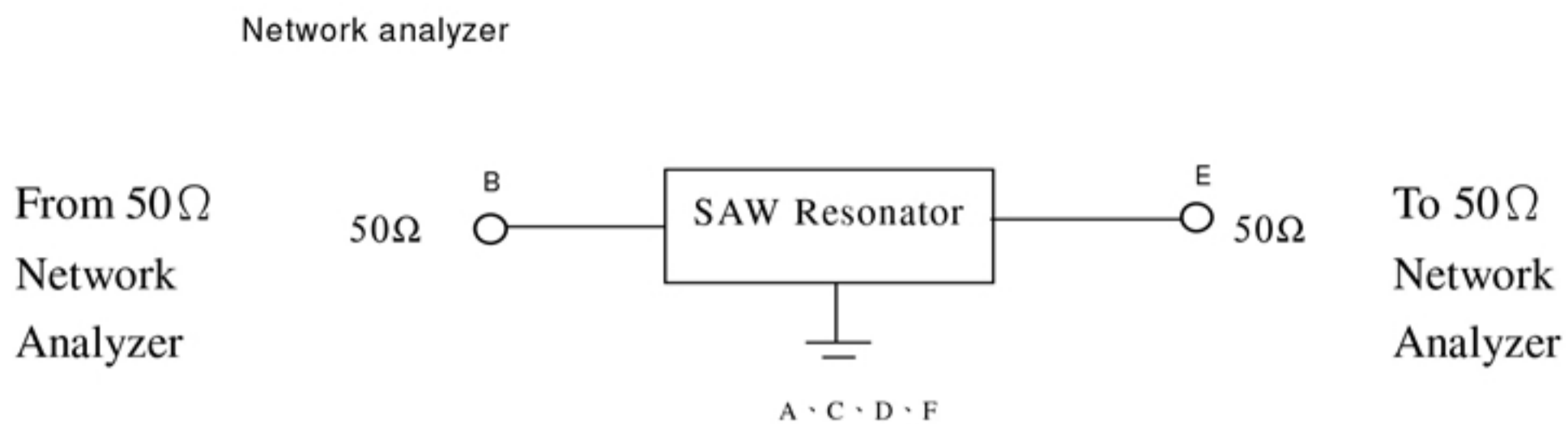
△ : Year Code

□ : Data Code(Follow the table provided by planer each year )

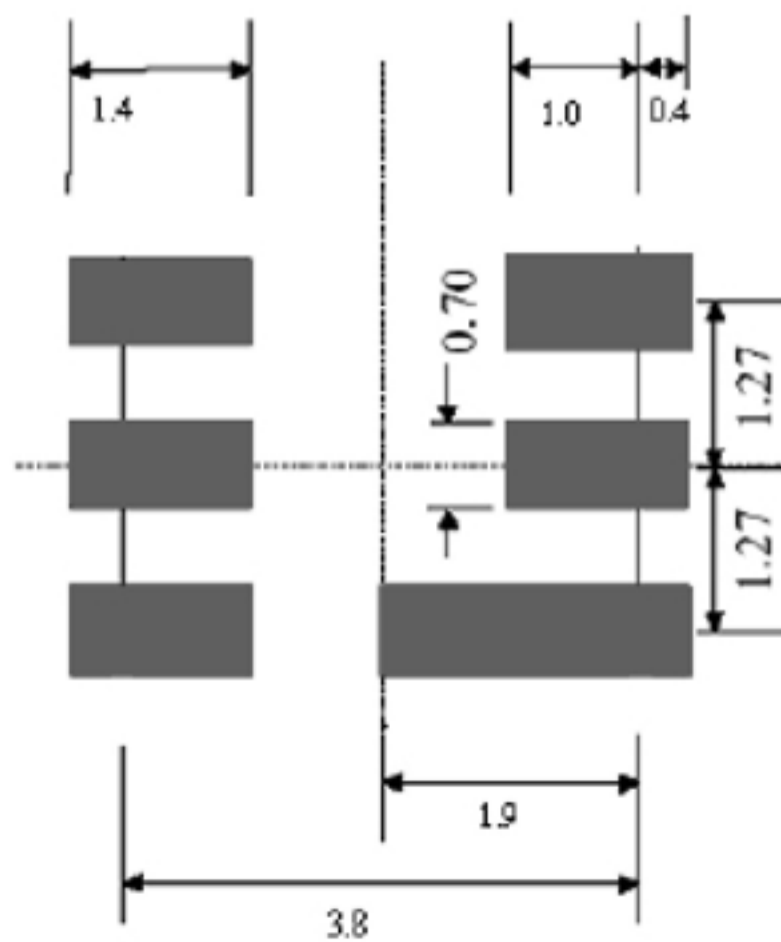
## F. FREQUENCY CHARACTERISTICS



## G. TEST CIRCUIT:

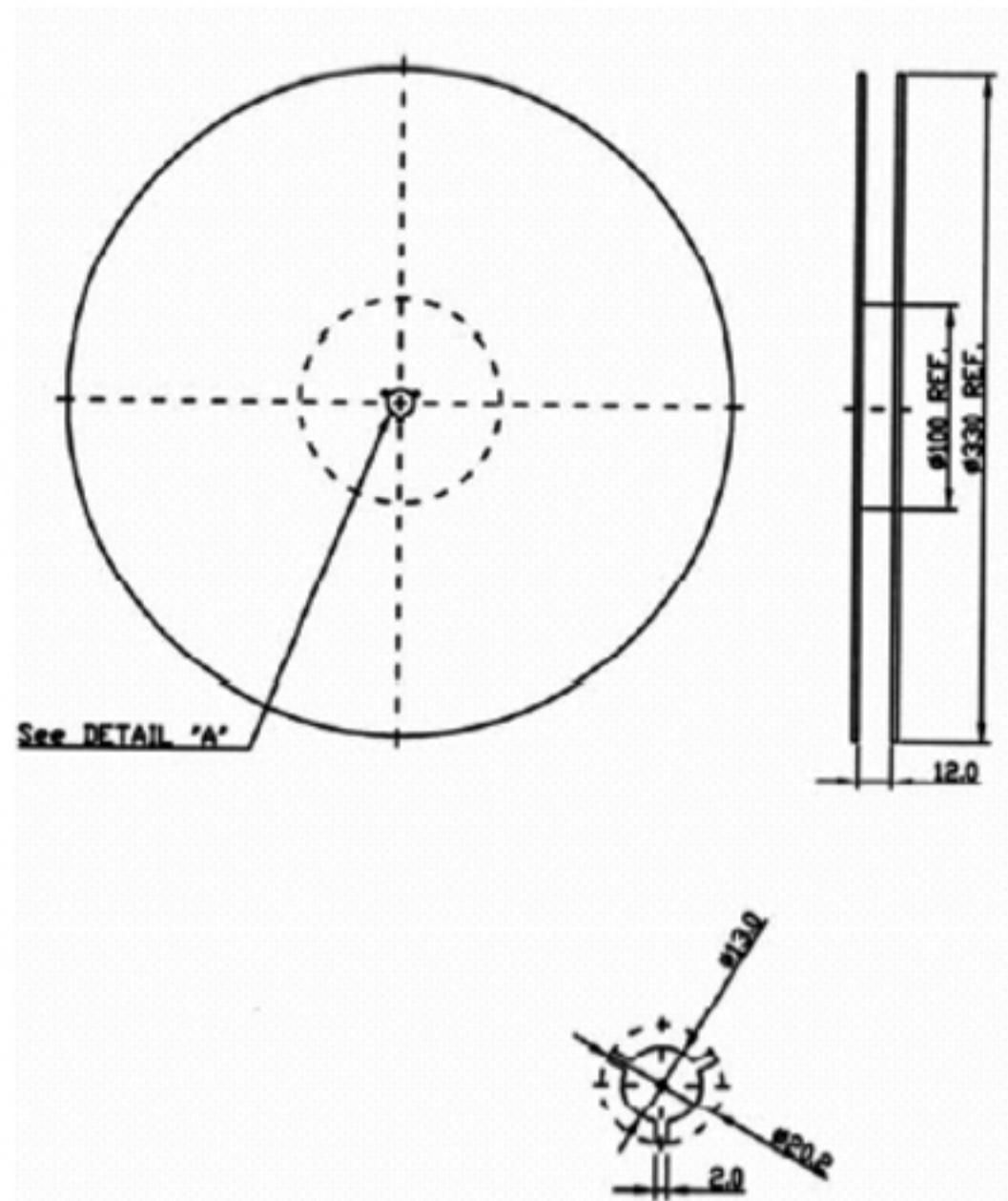


## H. LAND PATTERN:

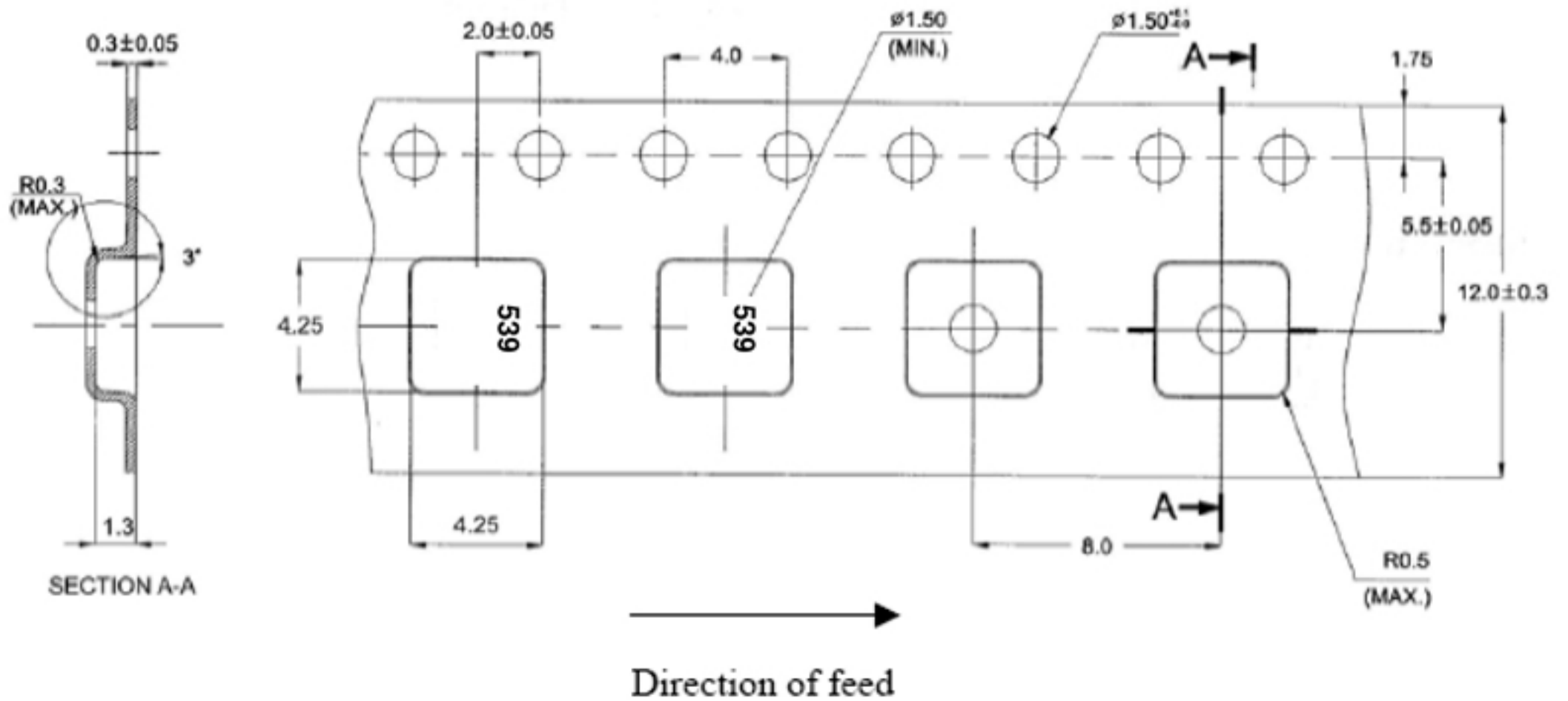


# I. PACKING:

## 1. REEL DIMENSION



## 2. TAPE DIMENSION



## J. RECOMMENDED REFLOW PROFILE:

