



# TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,  
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## Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Resonator 315.00MHz 5X5SMD

TST Parts No.:TC315GD-N

Customer Parts No.:\_\_\_\_\_

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: \_\_\_\_\_ Vincent Lee

Approval by: \_\_\_\_\_ Y.T. Huang

Date: \_\_\_\_\_ June 28, 2000



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## SAW Resonator 315.00 MHz

MODEL NO.: TC315GD-N

REV. NO.: 1

### A. FEATURES:

1. One-port Resonator.

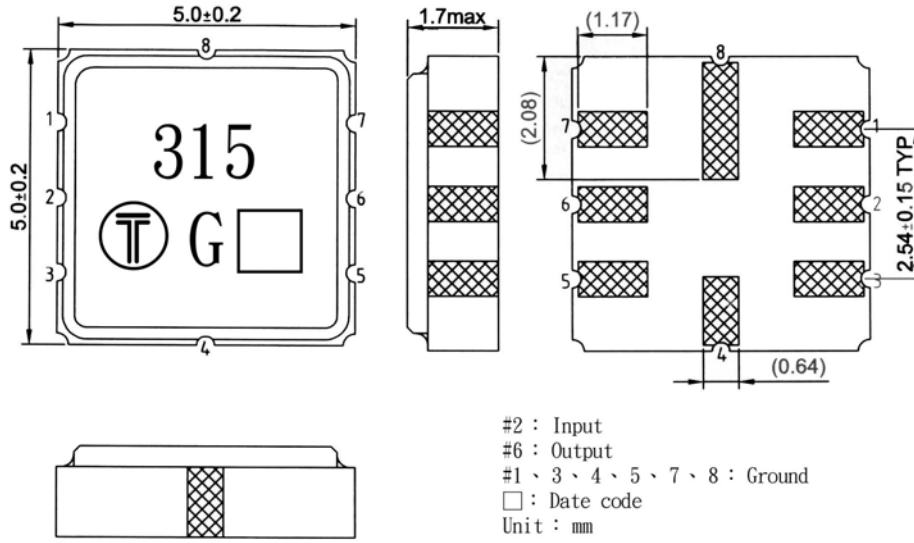
### B. MAXIMUM RATING:

1. Power Dissipation: 0dBm
2. DC Voltage: 12V
3. Storage Temperature: -40 ° to +85 °
4. Operating Temperature: -20 °C to +85 °C
5. Turnover Temperature: 35 °C<sub>Typ</sub>
6. Frequency Temperature Coefficient: 0.032 ppm/°C<sup>2</sup>

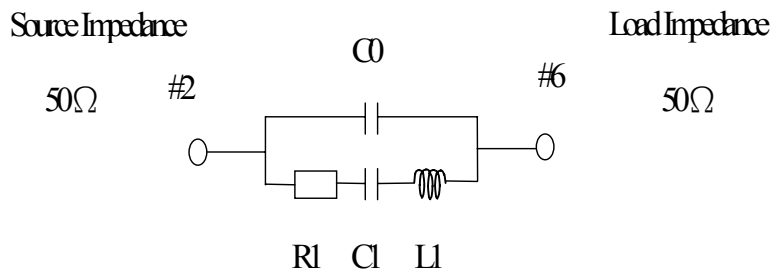
### C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center Frequency <b>Fr</b>	<b>MHz</b>	314.97	—	315.03
Insertion Loss <b>IL</b>	<b>dB</b>	—	1.6	2.5
Equivalent Circuit Elements				
Parallel Capacitance <b>Co</b>	<b>pF</b>	3.5	3.65	4.5
Motional Resistance <b>R1</b>	<b>Ohm</b>	—	20.67	29
Motional Inductance <b>L1</b>	<b>μH</b>	—	100.7	—
Motional Capacitance <b>C1</b>	<b>fF</b>	—	2.54	—

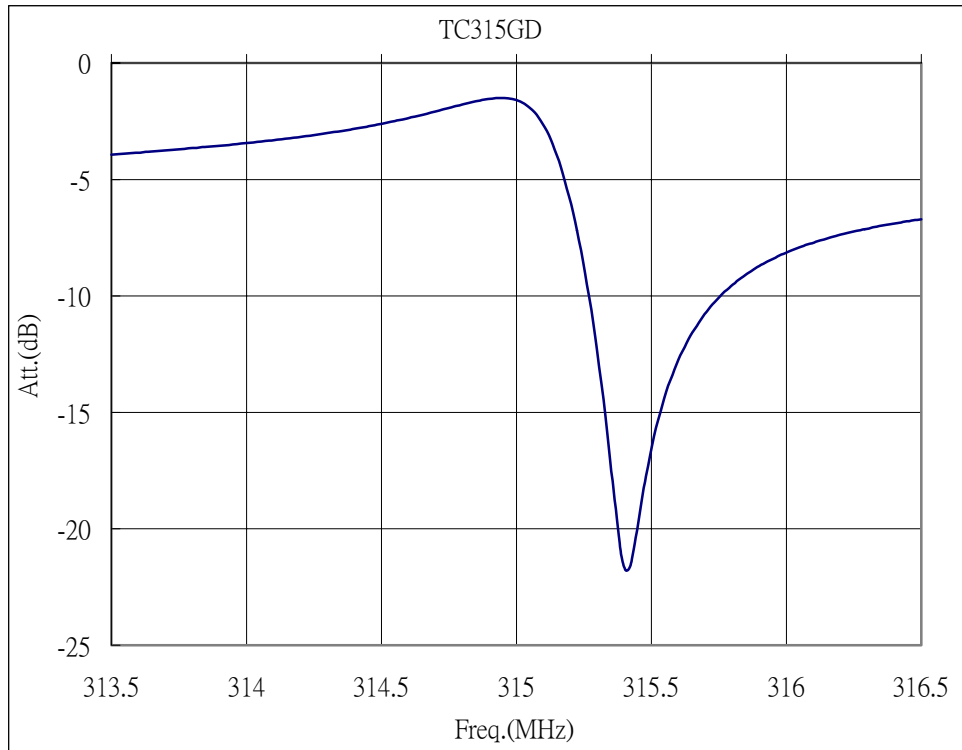
**D. OUTLIN DRAWING:**



**E. EQUVIRENT CIRCUIT:**



**F. FREQUENCY CHARACTERISTICS:**



**G. TEST CIRCUIT:**

