

**SAW Resonator 868.350MHz**  
**Part No: MA05545**

**Model: TC0144A**  
**REV. NO.: 2**

**A. FEATURES:**

- 1-Port Resonator.

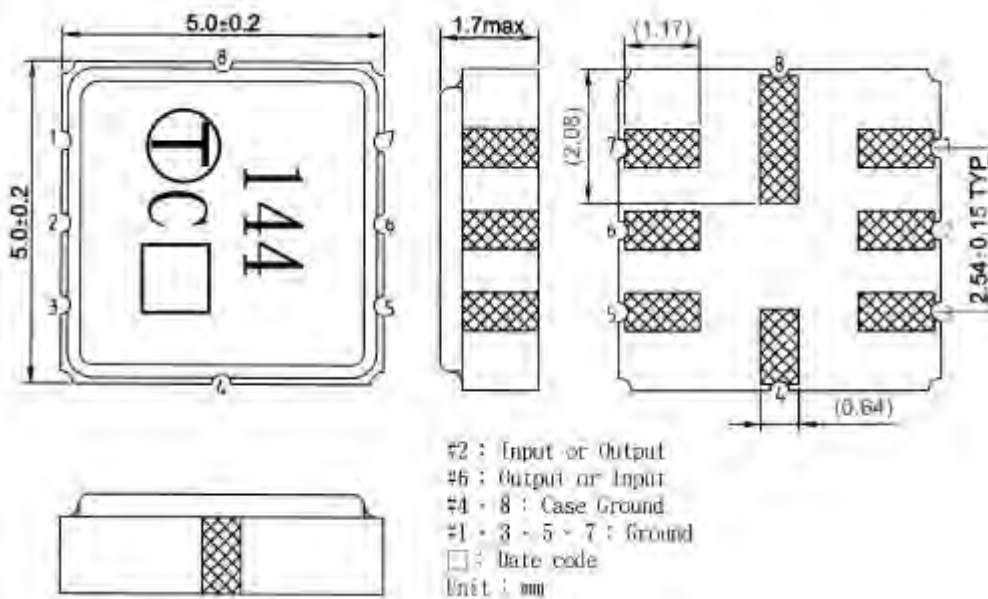
**B. MAXIMUM RATING:**

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 <b>Fr</b>	<b>MHz</b>	868.150	868.350	868.550
Insertion Loss <b>IL</b>	<b>dB</b>	-	1.3	2.5
Equivalent Elements				
Motional capacitance <b>C1</b>	<b>fF</b>	-	1.21	-
Motional inductance <b>L1</b>	<b>H</b>	-	27.66	-
Motional resistance <b>R1</b>	<b>Ohm</b>	-	17.92	-
Parallel capacitance <b>Co</b>	<b>pF</b>	-	2.51	-
Temp. coeff.	<b>ppm/c*2</b>	-	0.032	-
Turnover To	<b>deg.C</b>	20	-	50
Package size		SMD 5X5X1.4mm		

**D. OUTLINE DRAWING:**

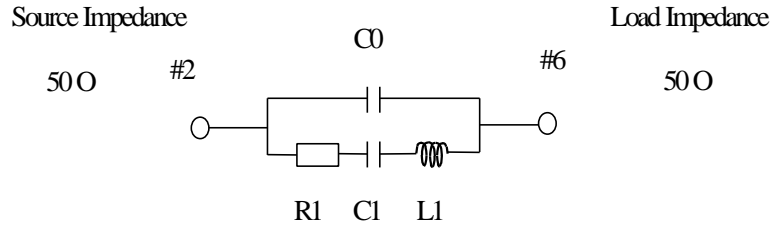


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**E. EQUIVALENT CIRCUIT:**

One-Port Resonator:



**F. FREQUENCY CHARACTERISTICS:**



**G. TEST CIRCUIT:**

Network analyzer

