

**SAW Resonator 745.795MHz**  
**Part No: MA07548**

**Model: TC0185A**  
**REV. NO.: 1**

**A. FEATURES:**

- 1-Port Resonator.

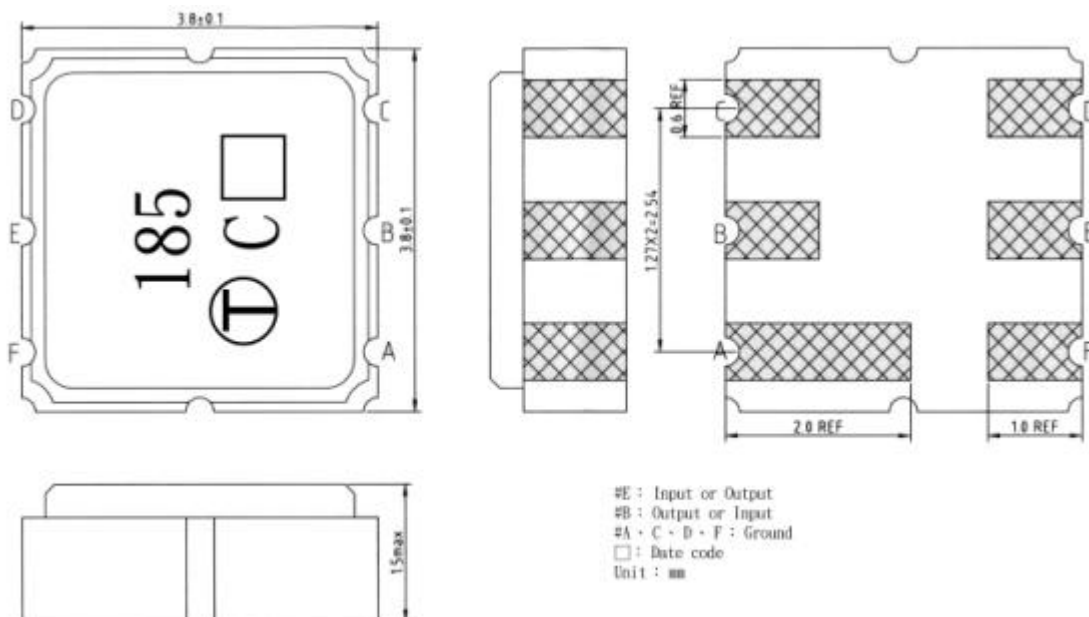
**B. MAXIMUM RATING:**

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>	745.670	745.795	745.920
Insertion Loss <b>IL</b>	<b>dB</b>	-	1.1	2.0
Equivalent Elements				
Motional capacitance <b>C<sub>1</sub></b>	<b>fF</b>	-	1.72	-
Motional inductance <b>L<sub>1</sub></b>	<b>μH</b>	-	26.52	-
Motional resistance <b>R<sub>1</sub></b>	<b>Ohm</b>	-	14.93	-
Parallel capacitance <b>C<sub>0</sub></b>	<b>pF</b>	-	2.87	-
Temp.coeff.	<b>ppm/c*2</b>	-	0.032	-
Turnover To	<b>°C</b>	20	-	50
Package size		SMD 3.8X3.8X1.4mm		

**D. OUTLINE DRAWING:**

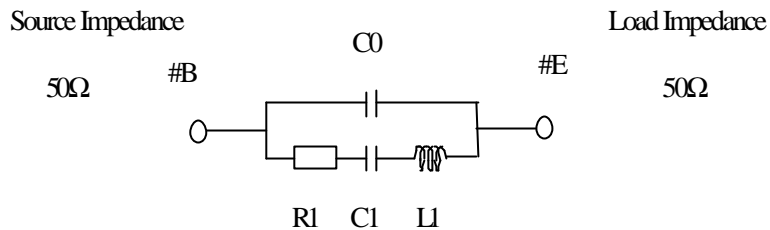


**SAW Resonator 745.795MHz**  
**Part No: MA07548**

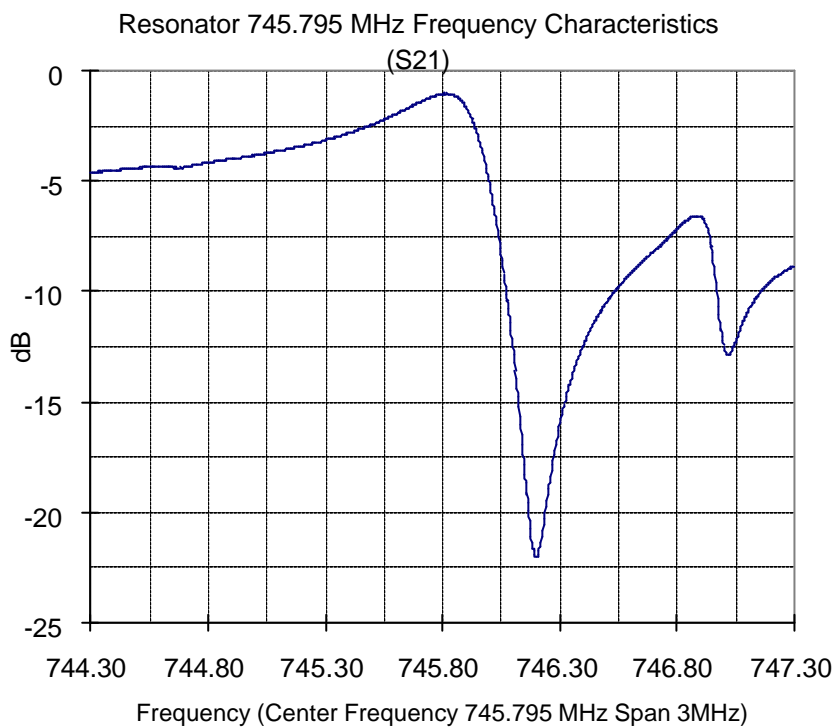
**Model: TC0185A**  
**REV. NO.: 1**

**E. EQUIVALENT CIRCUIT:**

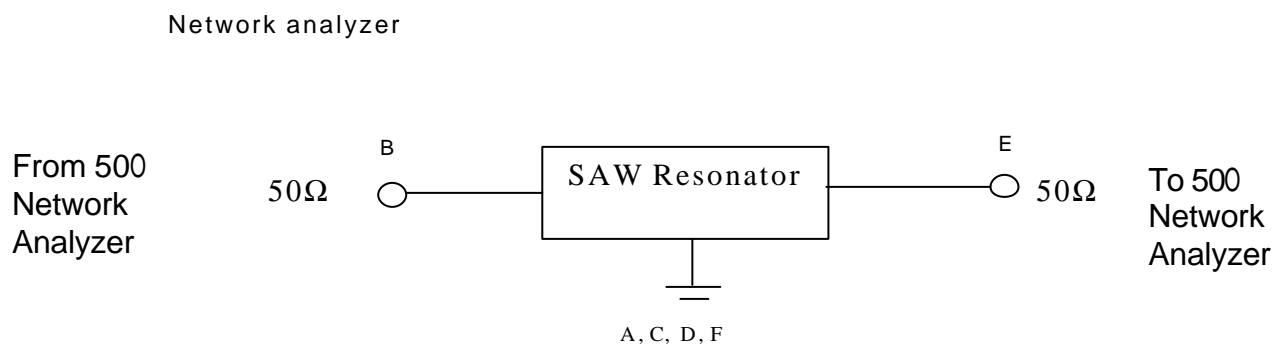
One-Port Resonator:



**F. FREQUENCY CHARACTERISTICS:**



**G. TEST CIRCUIT:**

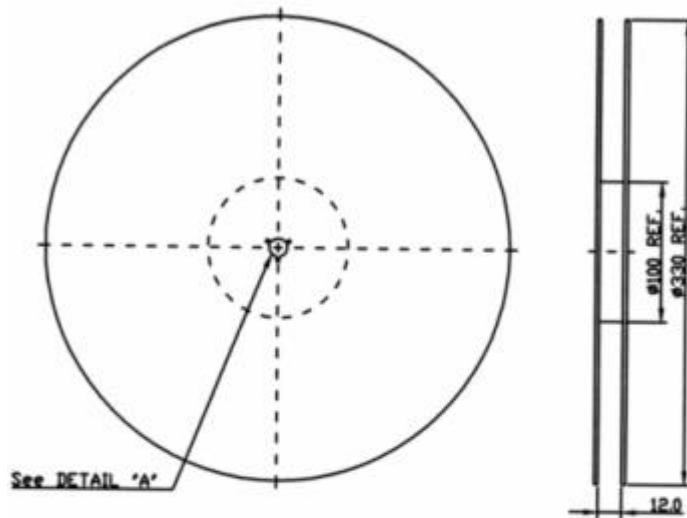


**SAW Resonator 745.795MHz**  
**Part No: MA07548**

**Model: TC0185A**  
**REV. NO.: 1**

**H. PACKING:**

**1. REEL DIMENSION**



**2. TAPE DIMENSION**

