

SAW Resonator 433.920MHz
Part No: MA06413

Model: TC0217A
REV. NO.: 1

A. FEATURES:

1. 1-Port Resonator.

B. MAXIMUM RATING:

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

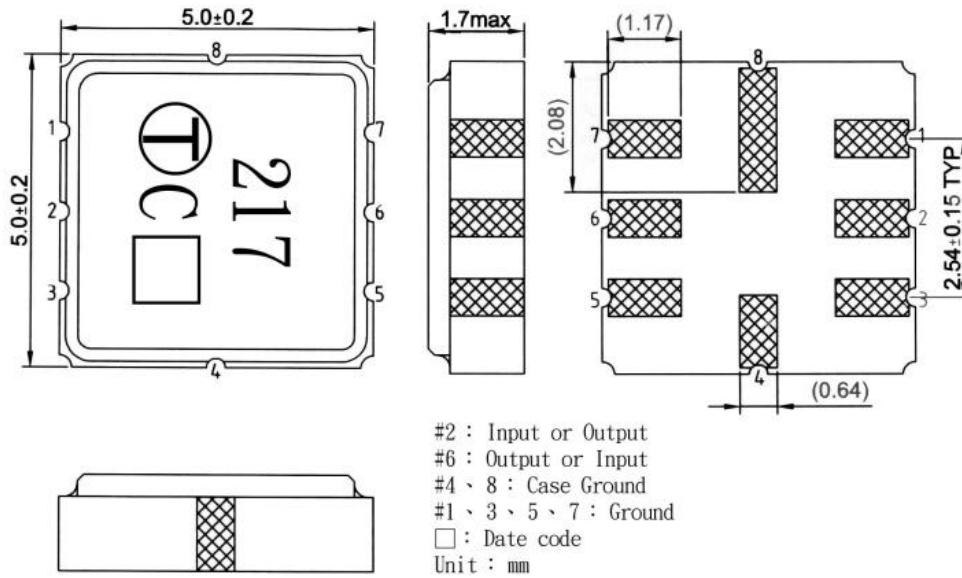
C. ELECTRICAL CHARACTERISTICS:

| Characteristic | Units | Minimum | Typical | Maximum |
|--------------------------------|---------|--------------|---------|---------|
| Center frequency F_r | MHz | 433.770 | 433.920 | 434.070 |
| Insertion Loss I_L | dB | - | 1.0 | 2.0 |
| Unloaded Quality factor, Q_U | | - | 13000 | - |
| Loaded Quality factor, Q_L | | - | 1500 | - |
| Motional capacitance C_1 | fF | - | 1.8 | - |
| Motional inductance L_1 | H | - | 73 | - |
| Motional resistance R_1 | Ohm | - | 13 | 23 |
| Parallel capacitance C_o | pF | - | 3.0 | - |
| Temp.coefficient | ppm/c*2 | - | 0.032 | - |
| Turnover T_o | deg.C | 20 | - | 50 |
| Package size | | SMD5X5X1.7mm | | |

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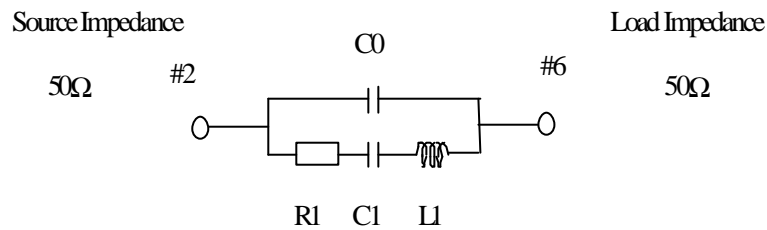
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D. OUTLINE DRAWING:



E. EQUIVALENT CIRCUIT:

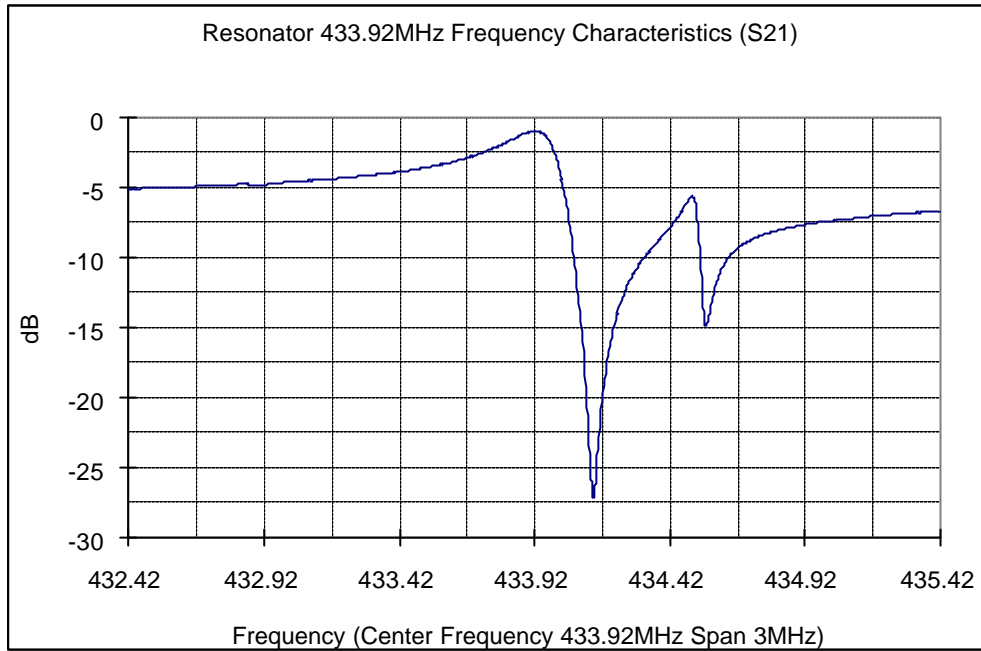
One-Port Resonator:



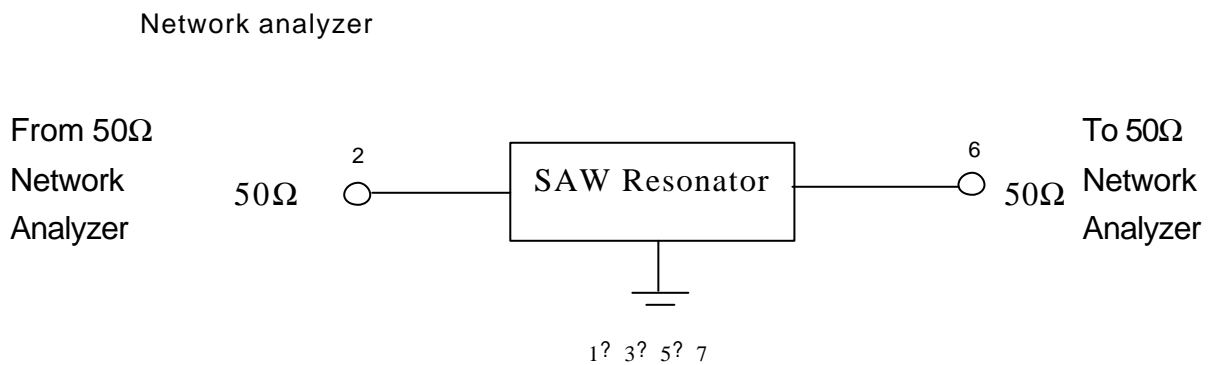
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F. FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:

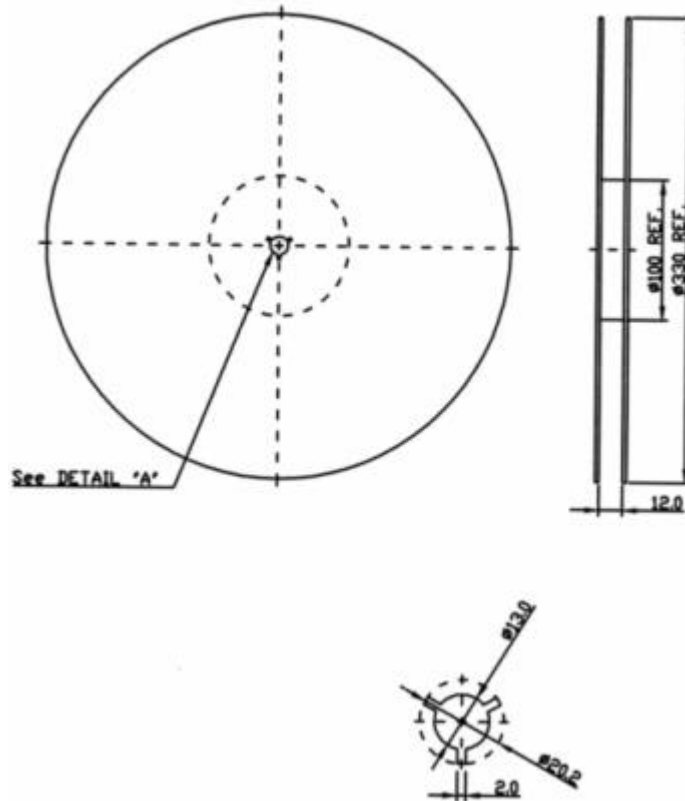


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H. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

