

433.920 MHz SAW Resonator

Model: TC433E2B

Part No: MA05757

REV NO.: 3

A. FEATURES:

1. 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

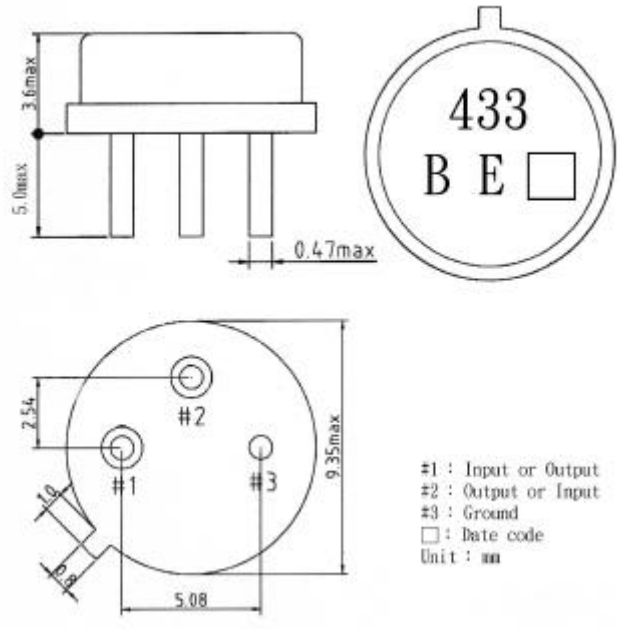
C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	433.82	433.92	434.02
Insertion Loss IL	dB	-	1.0	2.0
Equivalent Elements				
Motional capacitance C1	fF	-	2.3	-
Motional inductance L1	H	-	58	-
Motional resistance R1	Ohm	-	14	25
Parallel capacitance Co	pF	-	4.1	-
Temp. coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	10	25	40
Package size			TO-39	

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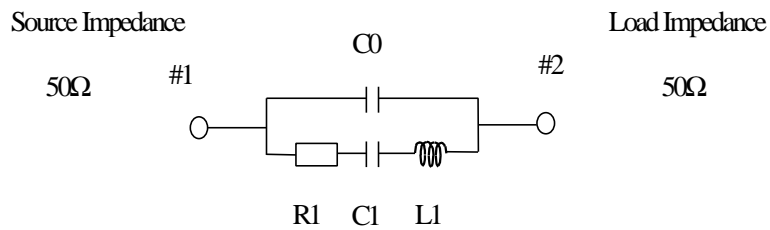
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D. OUTLINE DRAWING:



E. EQUIVALENT CIRCUIT:

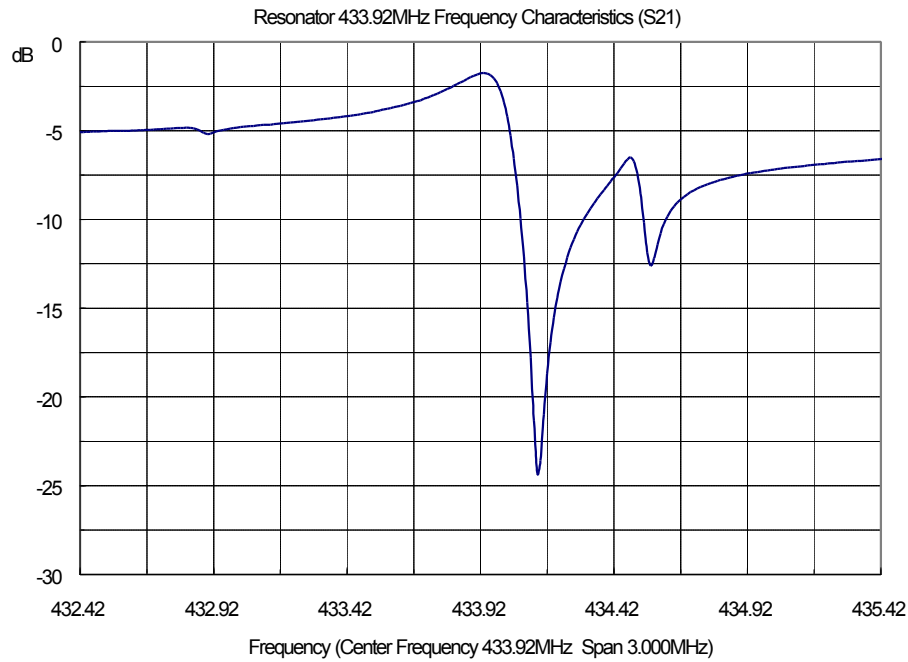
One-Port Resonator:



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F. FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:

