

SAW Resonator 433.420MHz
Part No: MA08731

Model: TC433ID-A
REV. NO.: 2

A. FEATURES:

- 1-Port Resonator.

RoHS Compliant
 Lead free
 Lead-free soldering

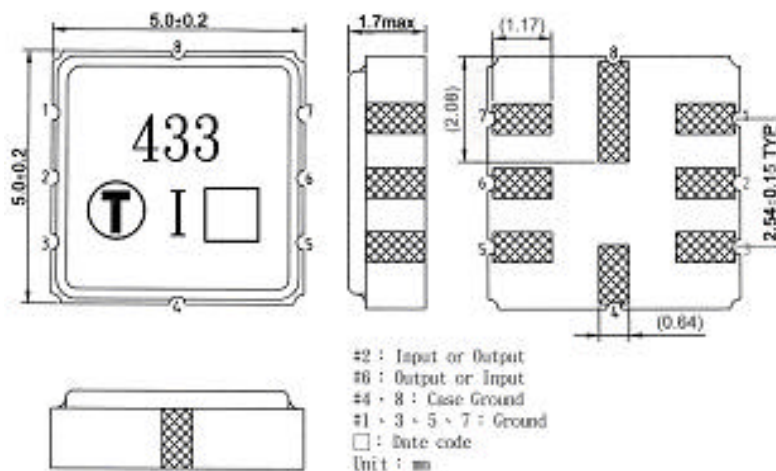
B. MAXIMUM RATING:

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

C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	433.345	433.42	433.495
Insertion Loss IL	dB	-	1.0	2.0
Unloaded Quality factor		-	14500	-
Ageing of Fc	ppm	-	-	10/year
Equivalent Elements				
Motional capacitance C1	fF	-	1.8	-
Motional inductance L1	H	-	73	-
Motional resistance R1	Ohm	-	13	23
Parallel capacitance Co	pF	-	3.0	-
Temp.coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	20	-	50
Package size		SMD5.15X5.15X1.8mm		

D. OUTLINE DRAWING:

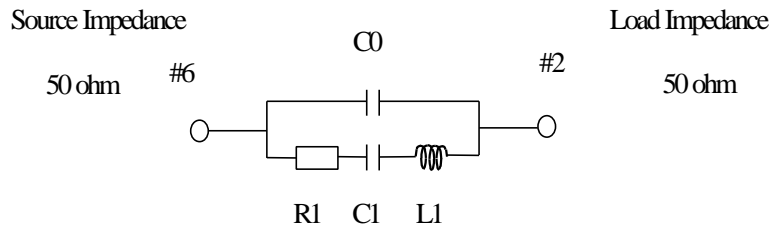


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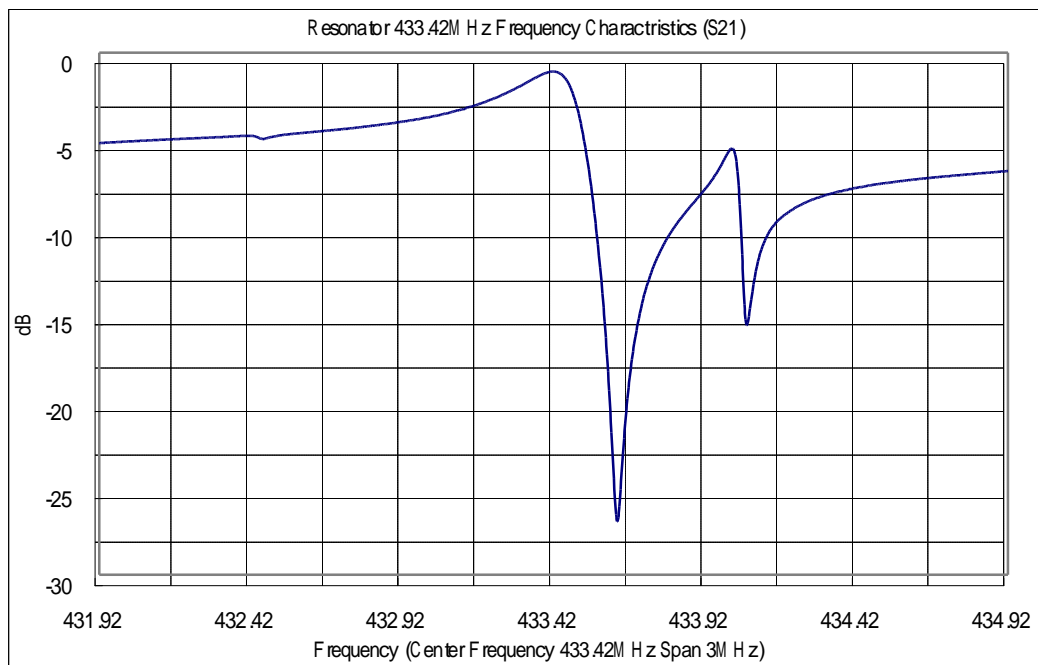
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E. EQUIVALENT CIRCUIT:

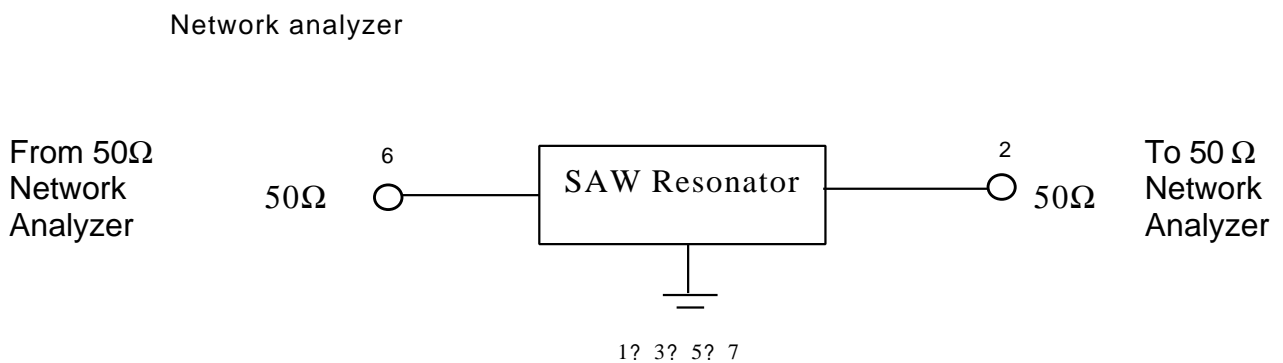
One-Port Resonator:



F. FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:

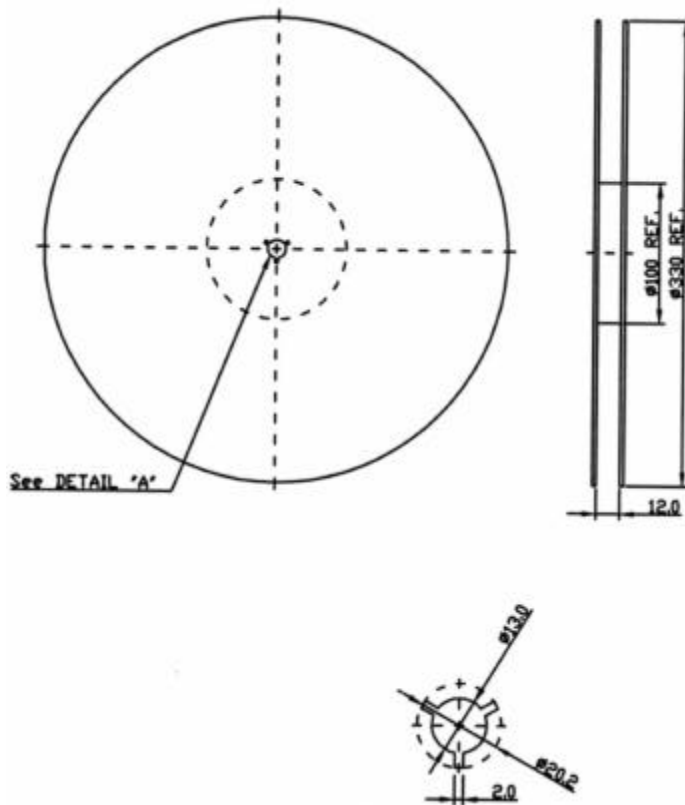


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H. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

