TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Approval Sheet For Product Specification

Issued Date:

Product Name: One-Port SAW Resonator 433.42MHz SMD5X5

TST Parts No.:TC433ID-A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Jacky Huang_____

Approval by:_____Vincent Lee_____

Date:_____Aug.04, 2001_____

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SAW Resonator 433.42 MHz

MODEL NO.: TC433ID-A REV. NO.: 1

A. FEATURES:

1. 1-Port Resonator.

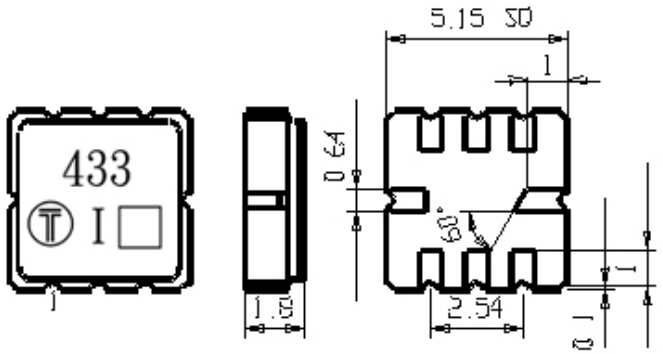
B. MAXIMUM RATING:

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**	**μH**	-	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		

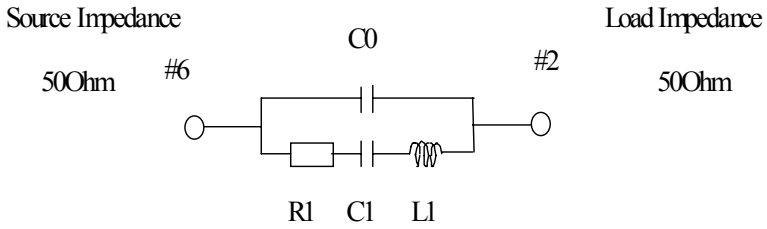
D. OUTLINE DRAWING:



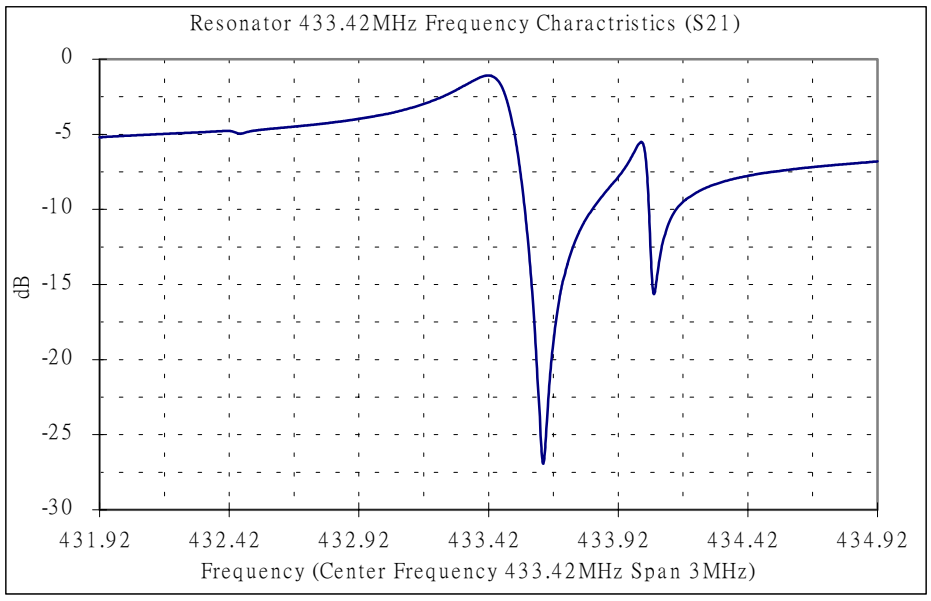
Pin 1	Ground	Pin 5	Ground
Pin 2	Output	Pin 6	Input
Pin 3	Ground	Pin 7	Ground
Pin 4	Package Ground	Pin 8	Package ground

E. EQUVIRENT CIRCUIT:

One-Port Resonator:

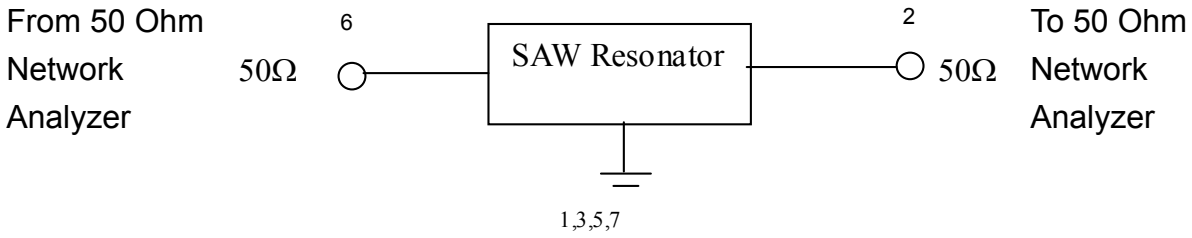


F. FREQUENCY CHARACTERISTICS:



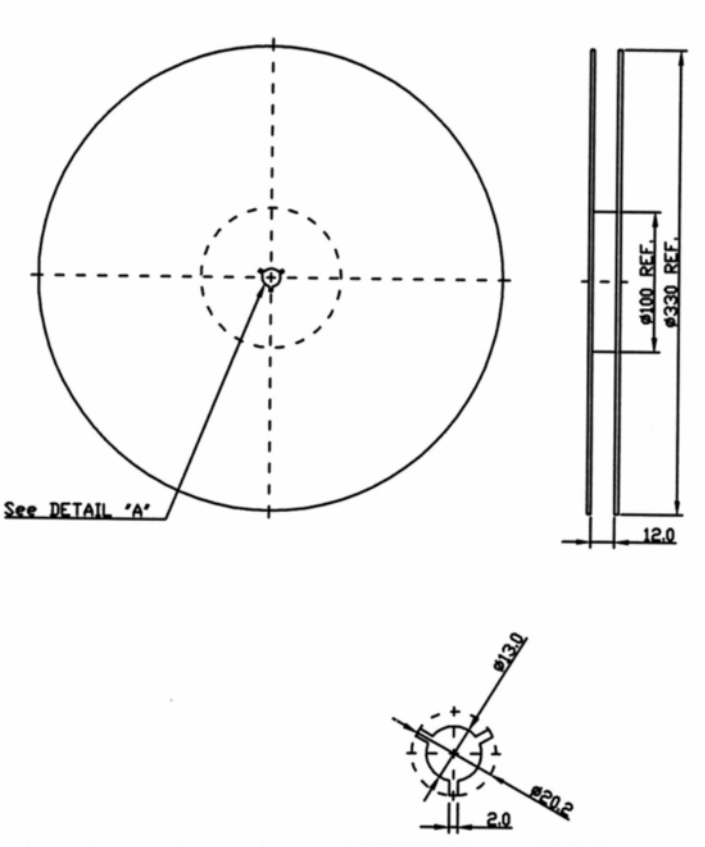
G. TEST CIRCUIT:

Network analyzer



H. PACKING:

1. REEL DIMENSION



2.TAPE DIMENSION