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: SAW Resonator 433.92 MHz F11

TST Parts No.: TC433E1_A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Vincent Liu

Approval by: Francis Chen

Date: 2003/4/22

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SAW Resonator 433.92 MHz

MODEL NO.: TC433E1_A REV. NO.:1

A. FEATURES:

1. 1-Port Resonator.

RoHS Compliant

Lead-free soldering

B. MAXIMUM RATING:

1.Input Power Level: 0 dBm

2.DC voltage: 12 V

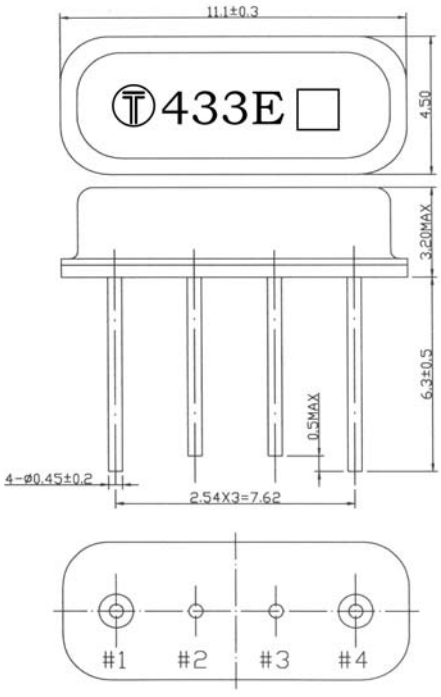
3.Operating Temperature: -40°C to +85°C

4.Storage Temperature: -40°C to +85°C

C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency **Fr**	**MHz**	433.845	433.920	433.995
Insertion Loss **IL**	**dB**	-	1.3	2
Motional capacitance **C1**	**fF**	-	4.2	-
Motional inductance **L1**	**μH**	-	32	-
Motional resistance **R1**	**Ohm**	-	14	-
Parallel capacitance **Co**	**pF**	-	3.9	-
Temp.coeff.	**ppm/c*2**	-	0.032	-
Turnover To	**deg.C**	20	35	50
Package size		F11		

D.OUTLINE DRAWING:



□ :Date:Code

#1 : Input

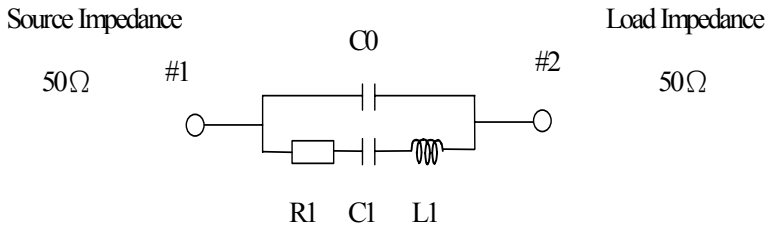
#4 :Output

#2,#3 :Ground

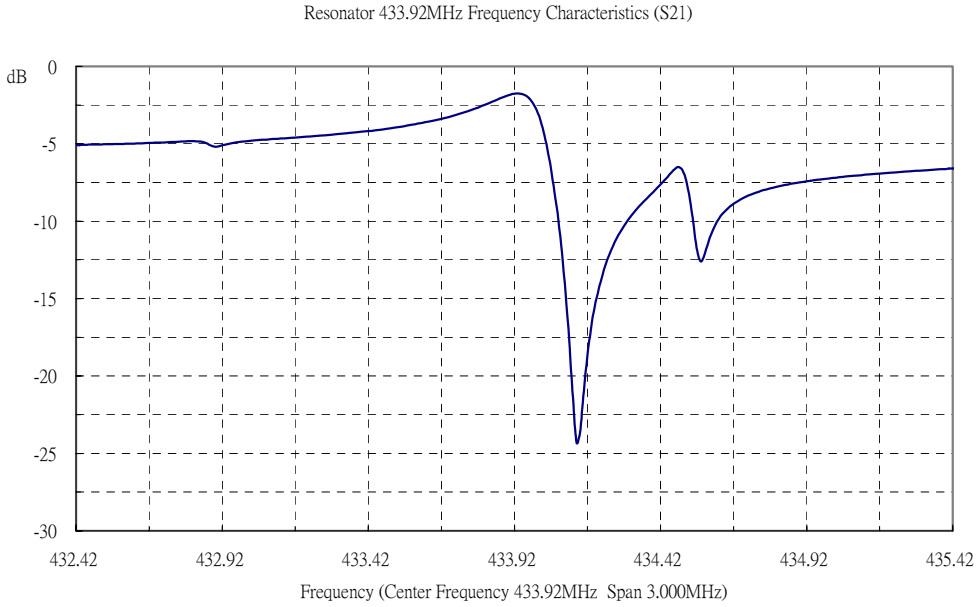
Unit :mm

E.EQUVIRENT CIRCUIT:

One-Port Resonator:

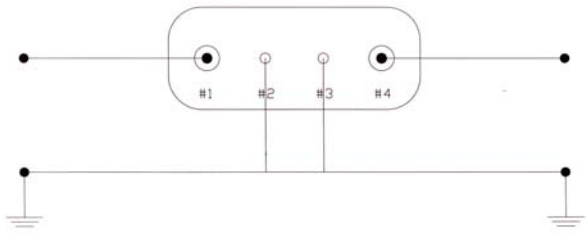


F.FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:

From 50Ω
Network
Analyzer



To 50Ω
Network
Analyzer