



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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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

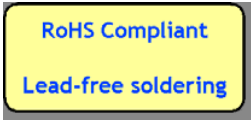
REV. NO.:1

A. FEATURES:

1. 1-Port Resonator.

B. MAXIMUM RATING:

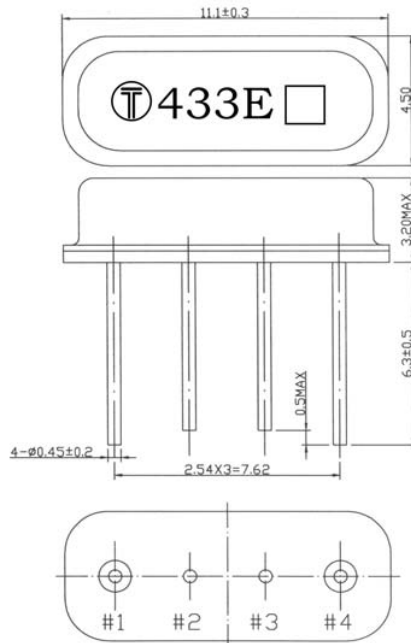
1. Input Power Level: 0 dBm
2. DC voltage: 12 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C



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

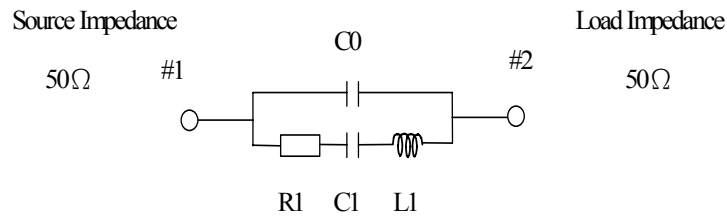
- #1 : Input
- #4 :Output
- #2,#3 :Ground
- Unit :mm

TST DCC
Release document

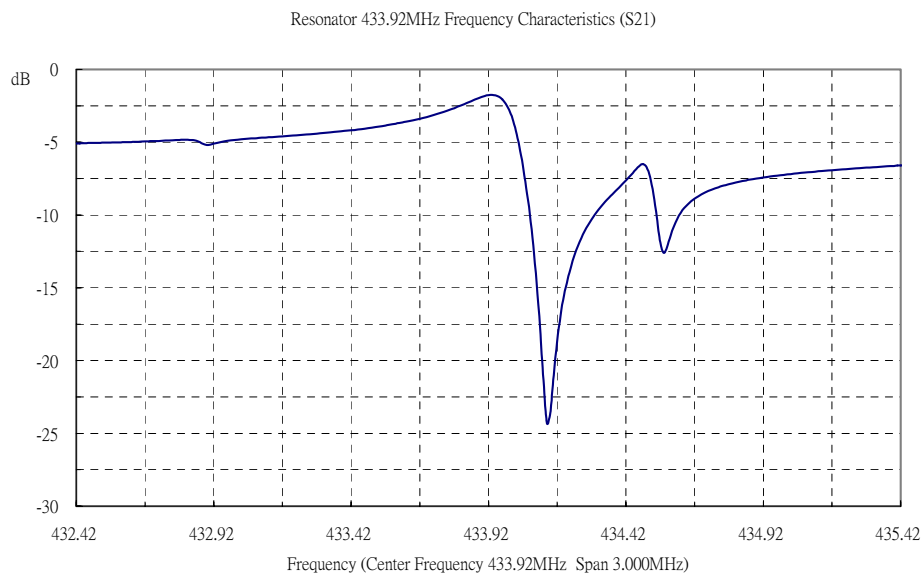
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E. EQUIVALENT CIRCUIT:

One-Port Resonator:

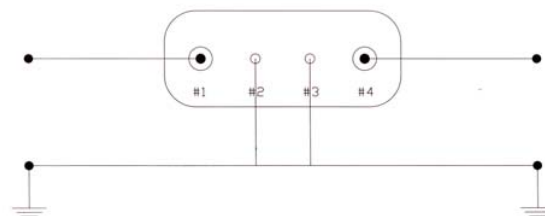


F. FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:

From 50Ω
Network
Analyzer



To 50Ω
Network
Analyzer