



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 433.920 MHz SMD 5X5 mm

TST Parts No.: TC0217A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Vincent Liu

Approval by: _____ Francis Chen

Date: _____ 2003/3/28



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SAW Resonator 433.92 MHz

MODEL NO.: TC0217A

REV. NO.:1

A. FEATURES:

1. 1-Port Resonator.

RoHS Compliant
Lead free
Lead-free soldering

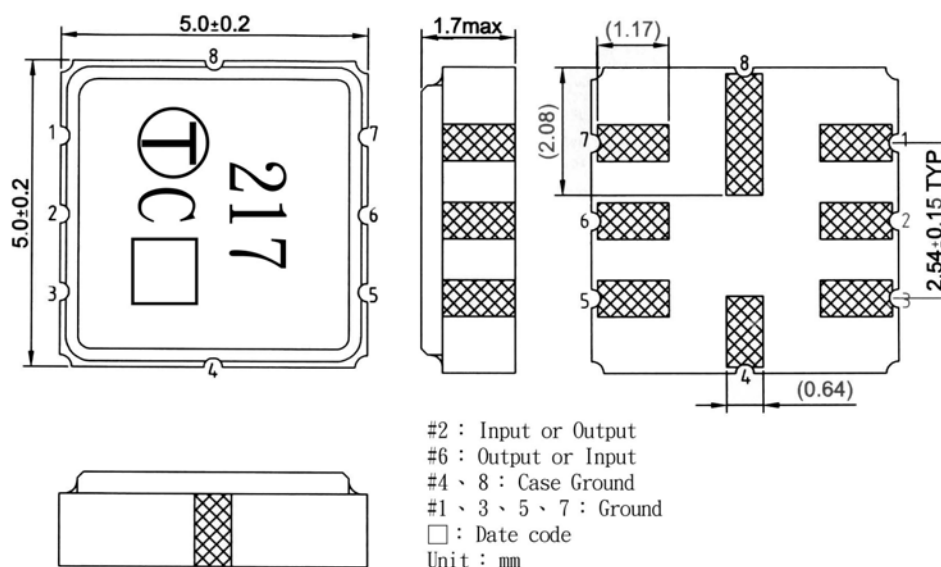
B. MAXIMUM RATING:

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:

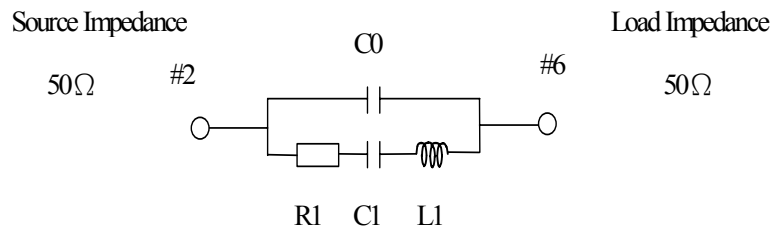
Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	433.770	433.920	434.070
Insertion Loss IL	dB	-	1.0	2.0
Unloaded Quality factor, Q_U		-	13000	-
Loaded Quality factor, Q_L		-	1500	-
Motional capacitance C1	fF	-	1.8	-
Motional inductance L1	μ H	-	73	-
Motional resistance R1	Ohm	-	13	23
Parallel capacitance Co	pF	-	3.0	-
Temp.coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	20	-	50
Package size		SMD5X5X1.7mm		

D. OUTLINE DRAWING:

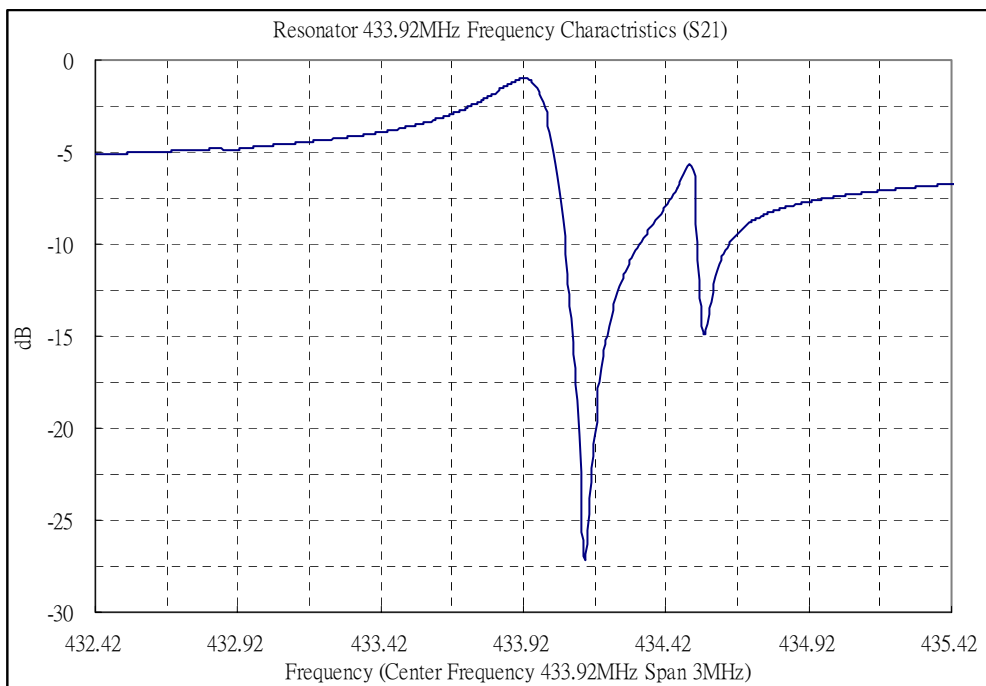


E. EQUIVALENT CIRCUIT:

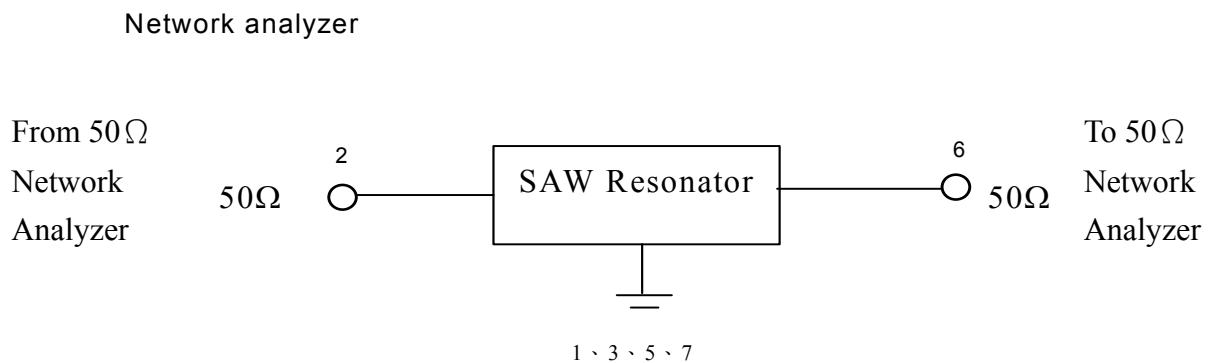
One-Port Resonator:



F. FREQUENCY CHARACTERISTICS:

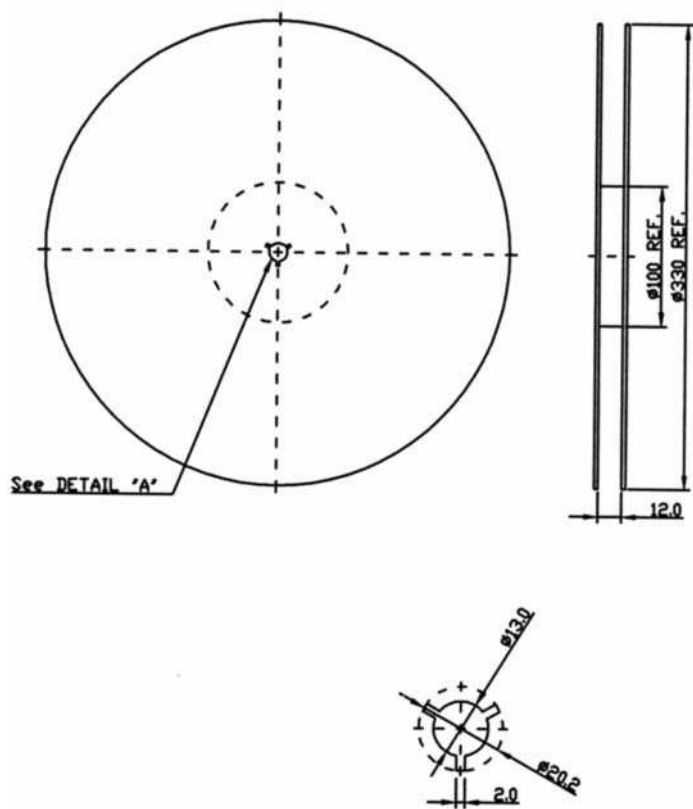


G. TEST CIRCUIT:



H. PACKING:

1. REEL DIMENSION



2.TAPE DIMENSION

