



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: Two-Port SAW Resonator 433.92MHz SMD5X5mm

TST Parts No.: TD0103A

Customer Parts No.: _____

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: Asin Lin

Approval by: Francis Chen

Date: 2007/01/29



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SAW Resonator 433.92 MHz

MODEL NO.: TD0103A

REV. NO.:2

A. FEATURES:

1. 2-Port Resonator.
2. nominal 180° -phase at resonance.

RoHS Compliant
Lead free
Lead-free soldering

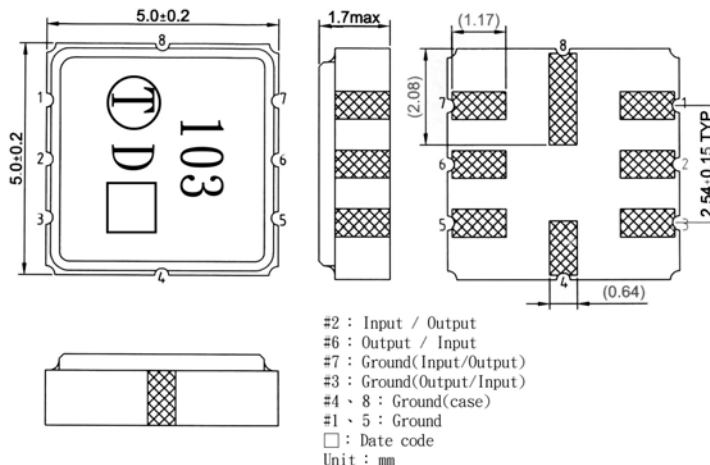
B. MAXIMUM RATING:

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:

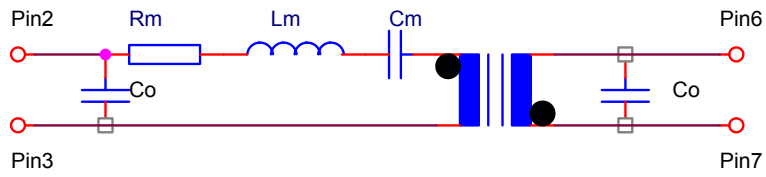
Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	433.845	433.920	433.995
Insertion Loss IL	dB	-	7.0	9.0
Unloaded Quality factor		8000	-	-
Equivalent Elements				
Motional capacitance C1	fF	-	0.15	-
Motional inductance L1	μH	-	900	-
Motional resistance R1	Ohm	-	166	217
Parallel capacitance Co	pF	2.3	2.6	2.9
Temp.coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	36	-	66
Package size		SMD5X5X1.4		

D. OUTLINE DRAWING:

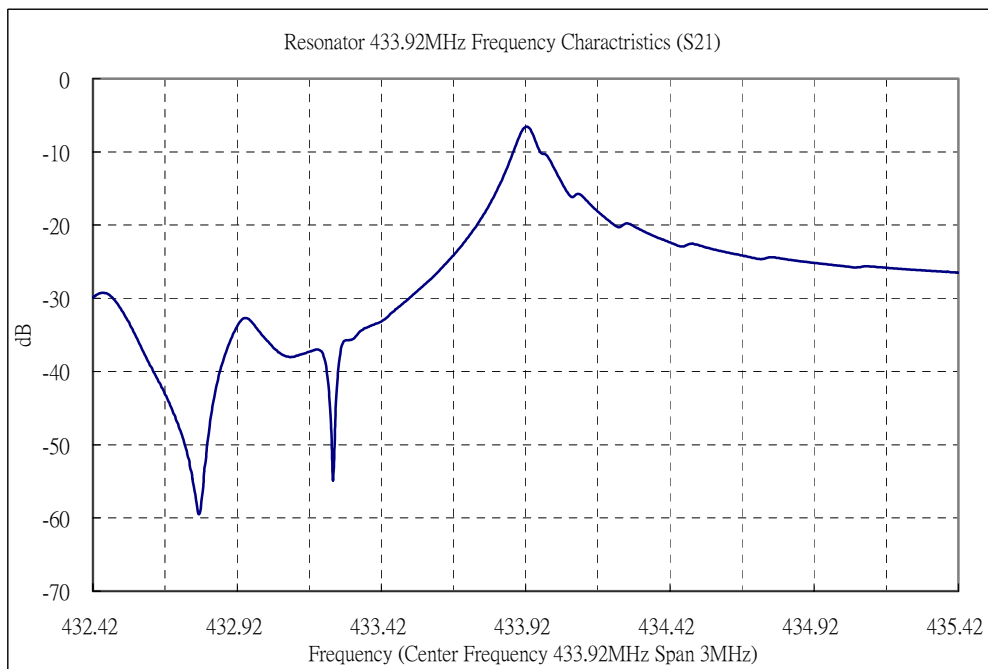


E. EQUIVALENT CIRCUIT:

Two-Port Resonator:

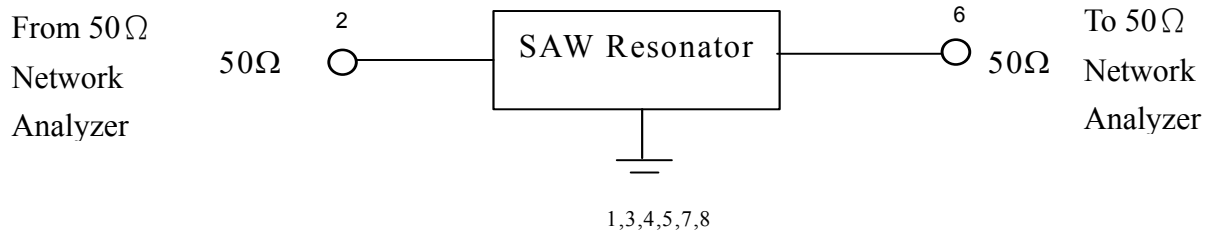


F. FREQUENCY CHARACTERISTICS:



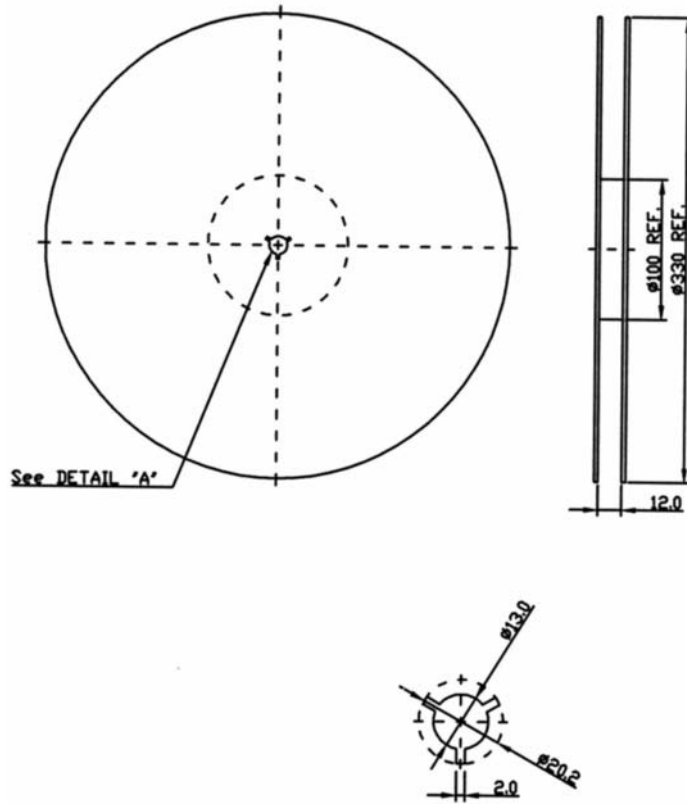
G. TEST CIRCUIT:

Network analyzer



F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

