



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: Dual SAW Resonator 390/315 MHz SMD 5.0X5.0 mm

TST Parts No.: TE0109A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Asin Lin

Approval by: _____ Francis Chen

Date: _____ 2005/6/01



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SAW Resonator 390/315 MHz

MODEL NO.: TE0109A

REV. NO.:1

A. FEATURES:

1. 1-Port Resonator.

B. MAXIMUM RATING:

1. Input Power Level: 0 dBm
2. DC voltage: 3 V
3. Operating Temperature: -30°C to +70°C
4. Storage Temperature: -40°C to +85°C

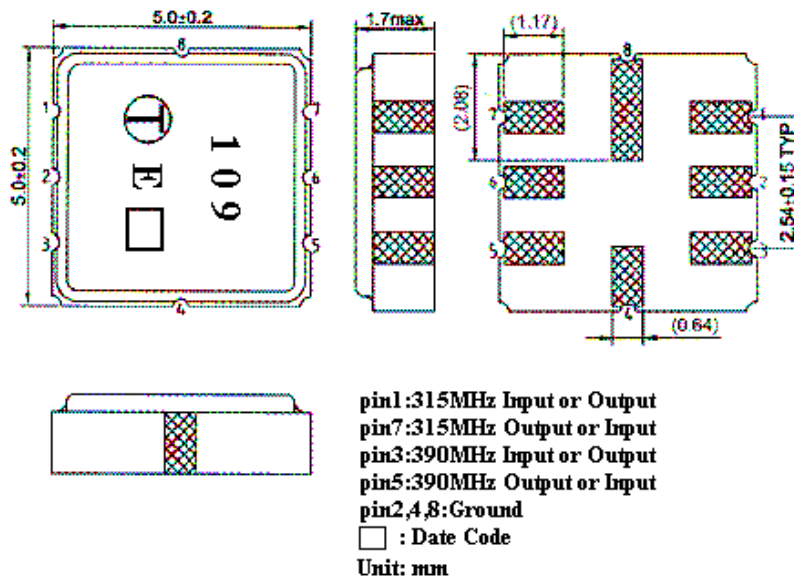
C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	314.9	315	315.1
Insertion Loss IL	dB	-	1.7	2.5
Equivalent Elements				
Motional capacitance C1	fF	-	3.595	-
Motional inductance L1	μH	-	71.62	-
Motional resistance R1	Ohm	-	21.8	-
Parallel capacitance Co	pF	-	5.2	-
Temp.coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C		25	
Package size		SMD 5.0X5.0X1.4mm		

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	389.9	390	390.1
Insertion Loss IL	dB	-	1.7	2.5
Equivalent Elements				
Motional capacitance C1	fF	-	1.59	-
Motional inductance L1	μH	-	104.8	-
Motional resistance R1	Ohm	-	23.1	-
Parallel capacitance Co	pF	-	3.06	-
Temp.coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C		25	
Package size		SMD 5.0X5.0X1.4mm		

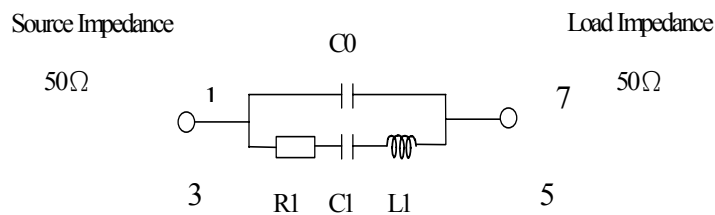
RoHS Compliant
Lead free
Lead-free soldering

D. OUTLINE DRAWING:



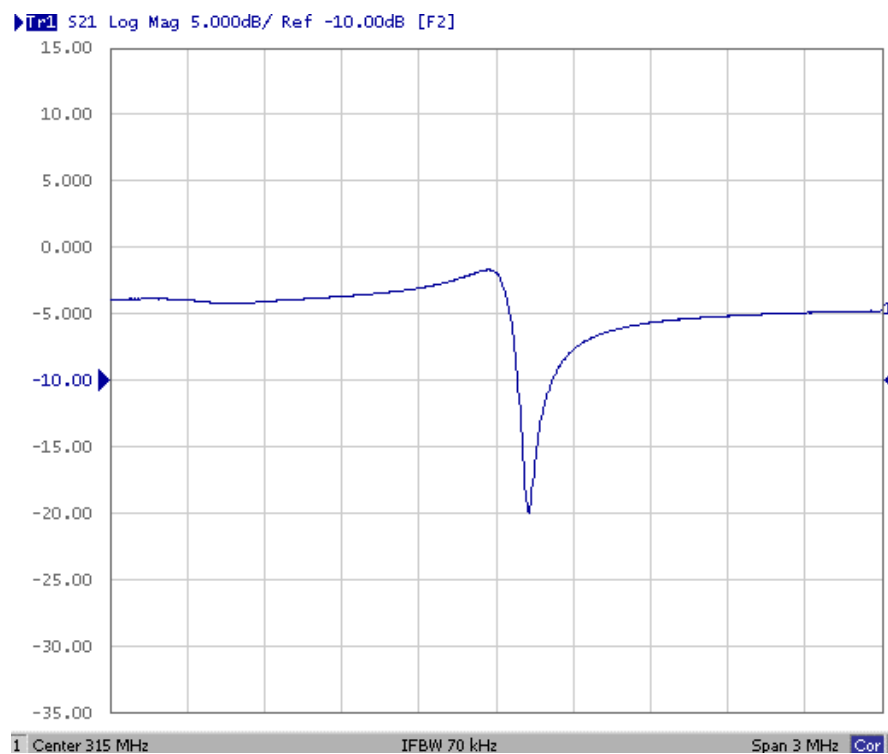
E. EQUIVALENT CIRCUIT:

One-Port Resonator:

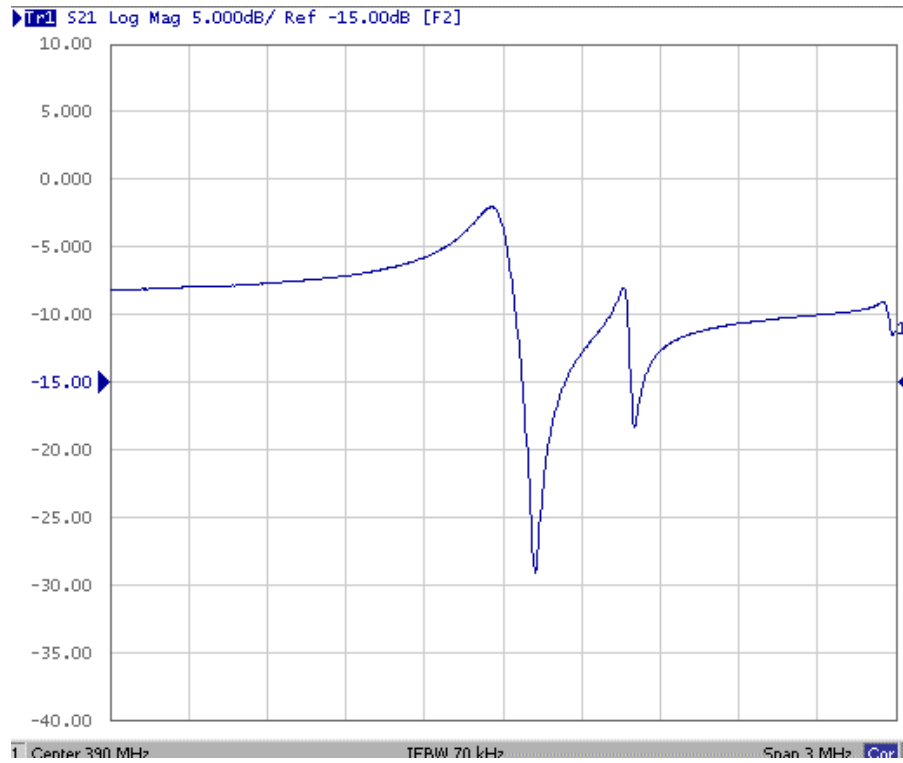


F. FREQUENCY CHARACTERISTICS:

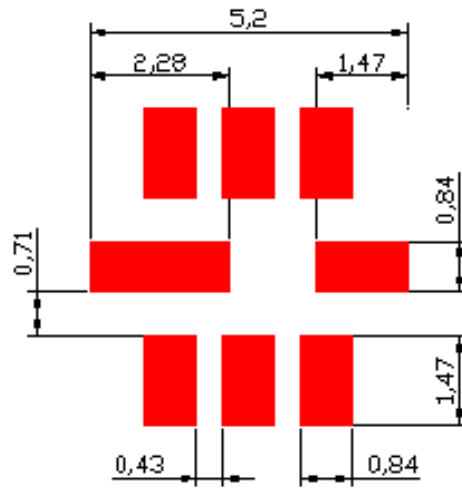
a. 315MHz



b.390MHz

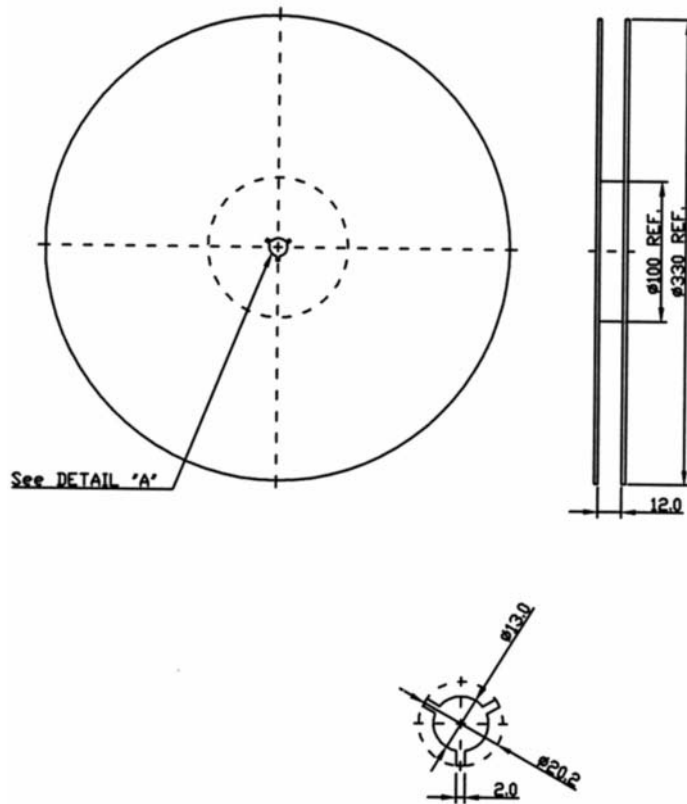


H. PCB FOOTPRINT



I. PACKING:

1. REEL DIMENSION



2.TAPE DIMENSION

