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 915 MHz SMD 5X5 mm

TST Parts No.: TD0106B

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Asin Lin

Approval by: Francis Chen

Date: 2005/03/22

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SAW Resonator 915 MHz

MODEL NO.: TD0106B REV. NO.:1

A. FEATURES:

1. 2-Port Resonator.

RoHS Compliant
Lead free
Lead-free soldering

B. MAXIMUM RATING:

1.Input Power Level: 0 dBm

2.DC voltage: 12 V

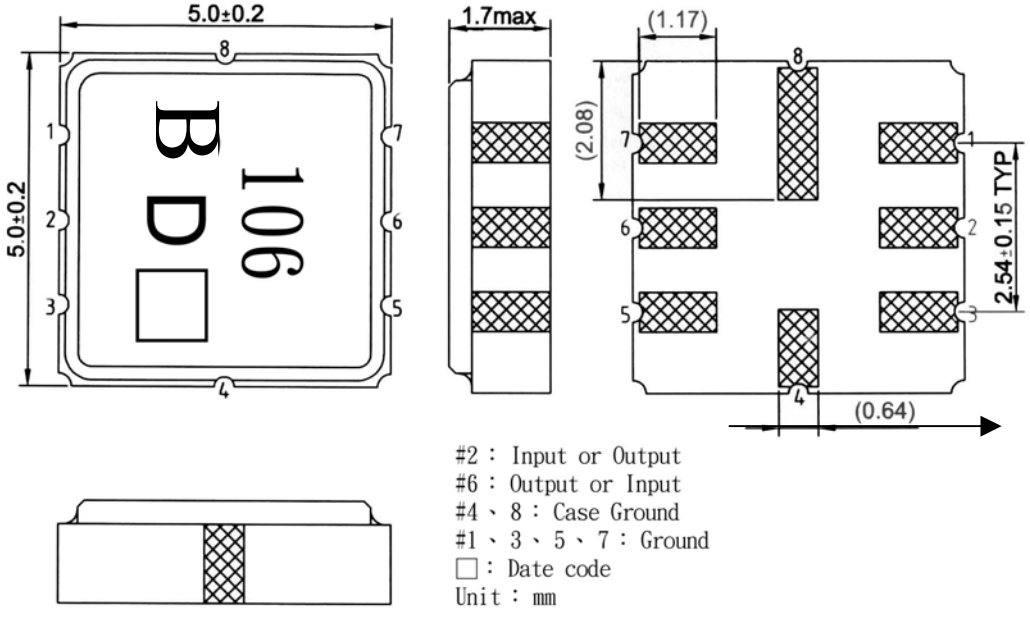
3.Operating Temperature: -40°C to +85°C

4.Storage Temperature: -40°C to +85°C

C. ELECTRICAL CHARACTERISTICS:

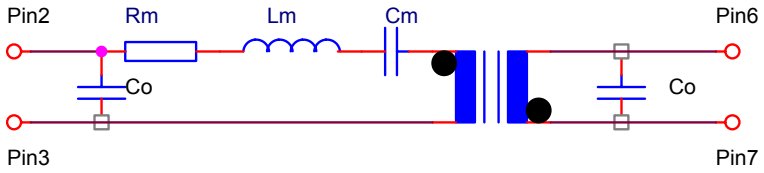
Characteristic	Units	Minimum	Typical	Maximum
Center frequency **Fr**	**MHz**	914.650	915.000	915.350
Insertion Loss **IL**	**dB**	-	8	9
Equivalent Elements				
Motional capacitance **C1**	**fF**	-	0.225	-
Motional inductance **L1**	**μH**	-	134.5	-
Motional resistance **R1**	**Ohm**	-	125	-
Parallel capacitance **Co**	**pF**	-	1.9	-
Temp.coeff.	**ppm/c*2**	-	0.032	-
Turnover To	**deg.C**	-	25	-
Package size		SMD 5X5X1.4mm		

D.OUTLINE DRAWING:

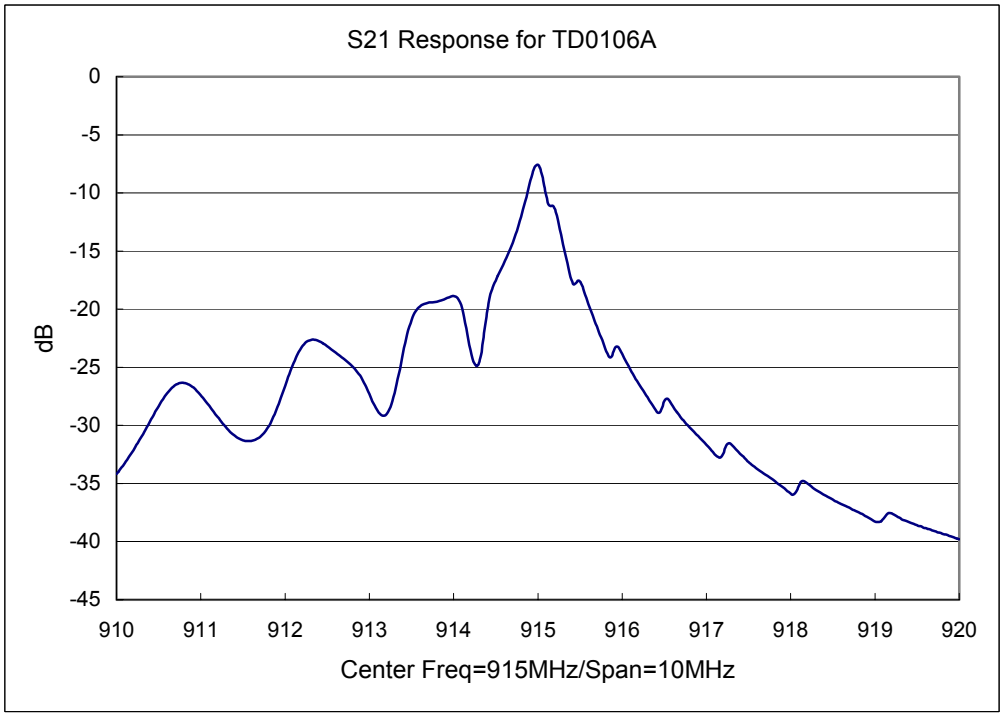


E.EQUVIRENT CIRCUIT:

Two-Port Resonator:



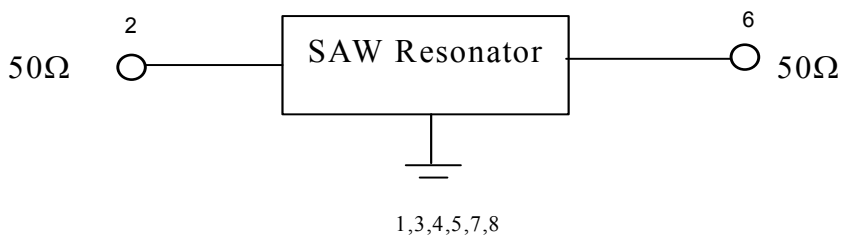
F.FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:

Network analyzer

From 50Ω Network Analyzer

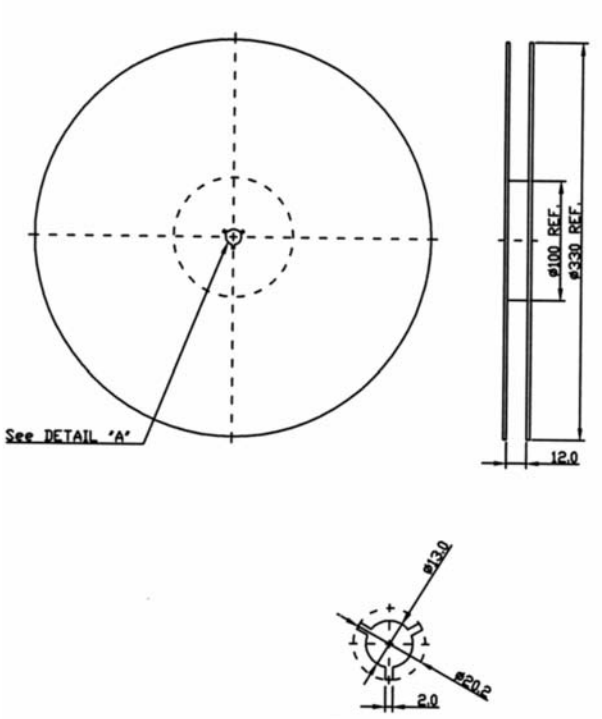


To 50Ω Network Analyzer

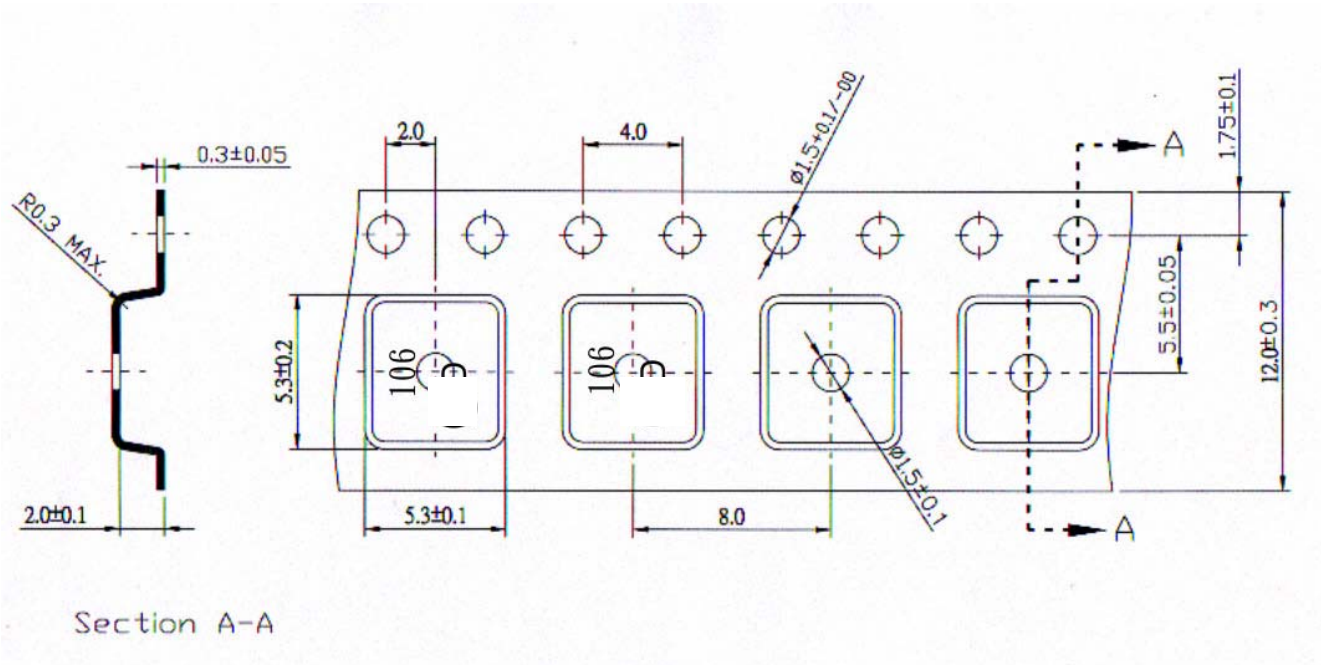
1,3,4,5,7,8

H. PACKING:

1.REEL DIMENSION



2.TAPE DIMENSION



Direction of feed