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 1090 MHz SMD 3.8X3.8 mm

TST Parts No.: TD0116A

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 1090 MHz

MODEL NO.: TD0116A REV. NO.: 2

RoHS Compliant
Lead free
Lead-free soldering

A. FEATURES:

1. 1-Port Resonator.

B. MAXIMUM RATING:

1.Input Power Level: 3 dBm

2.DC voltage: 12 V

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

4.Storage Temperature: -40°C to +85°C

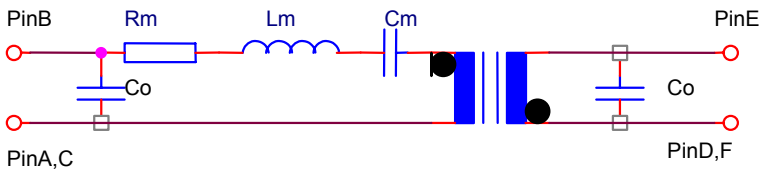
C. ELECTRICAL CHARACTERISTICS:

Reference Temperature T_A=25℃

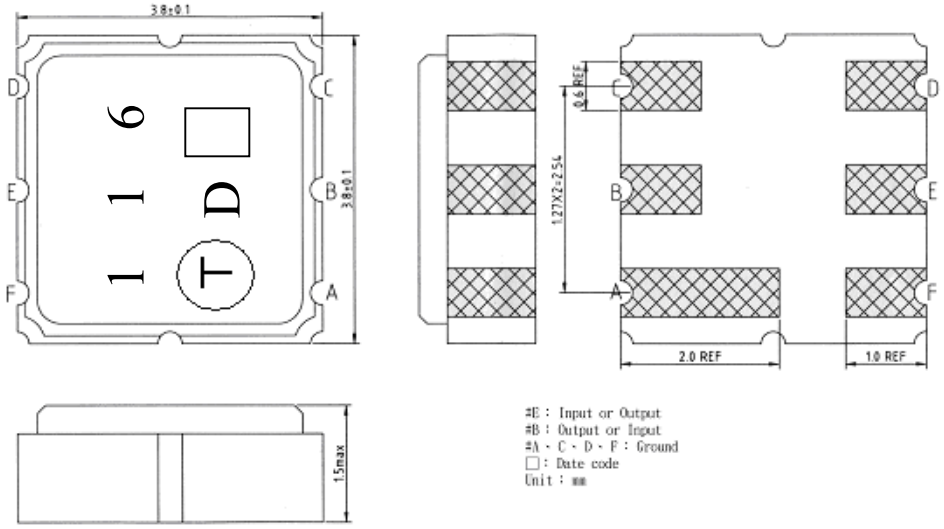
Characteristic	Units	Minimum	Typical	Maximum
Center frequency **Fr**	**MHz**	1089.800	1090	1090.200
Insertion Loss **IL**	**dB**	-	10	12.5
Unloaded Quality factor		-	4700	-
Ageing of Fc	**ppm**	-	-	10/year
Equivalent Elements				
Motional capacitance **C1**	**fF**	-	0.18	-
Motional inductance **L1**	**μH**	-	114	-
Motional resistance **R1**	**Ohm**	-	178	-
Parallel capacitance **Co**	**pF**	-	1.5	-
Temp.coeff.	**ppm/c*2**	-	0.032	-
Turnover To	**deg.C**	-	25	-
Package size		SMD 3.8X3.8X1.4mm		

D. EQUVIRENT CIRCUIT:

Two-Port Resonator:



E.OUTLINE DRAWING:

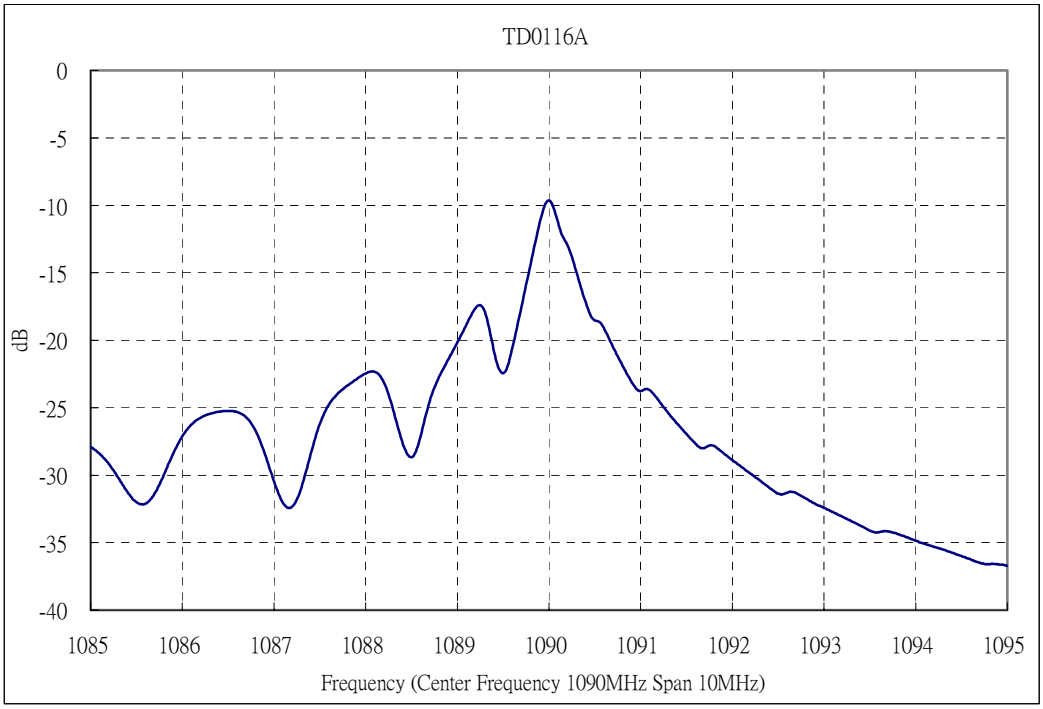


□ Date code: Provided by planer each year

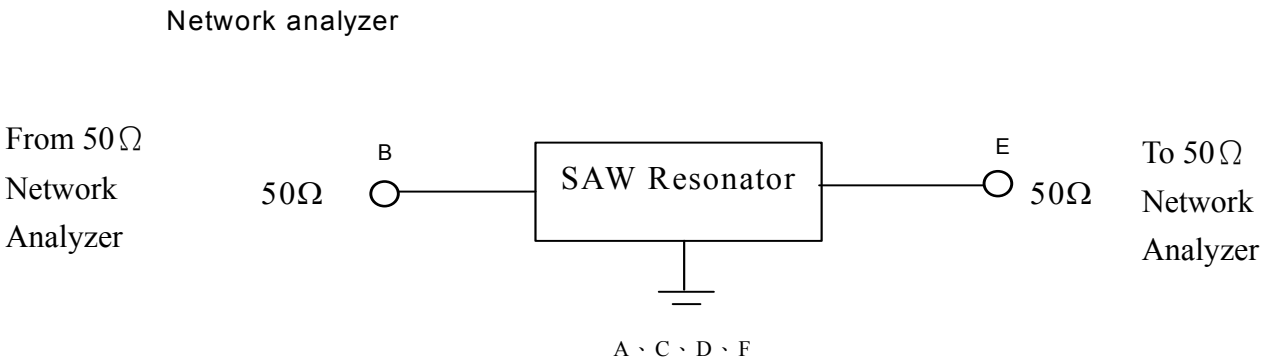
Product Year Code

Year	**2001 2003 2005 .**	**2002 2004 2006 .**
Product Code	**D**	**d**

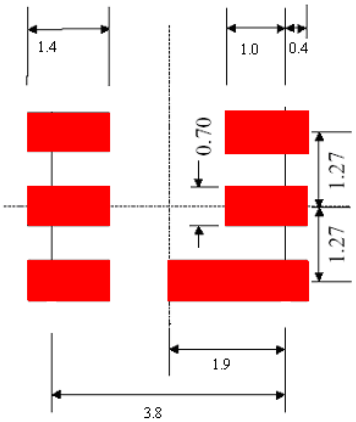
F.FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:

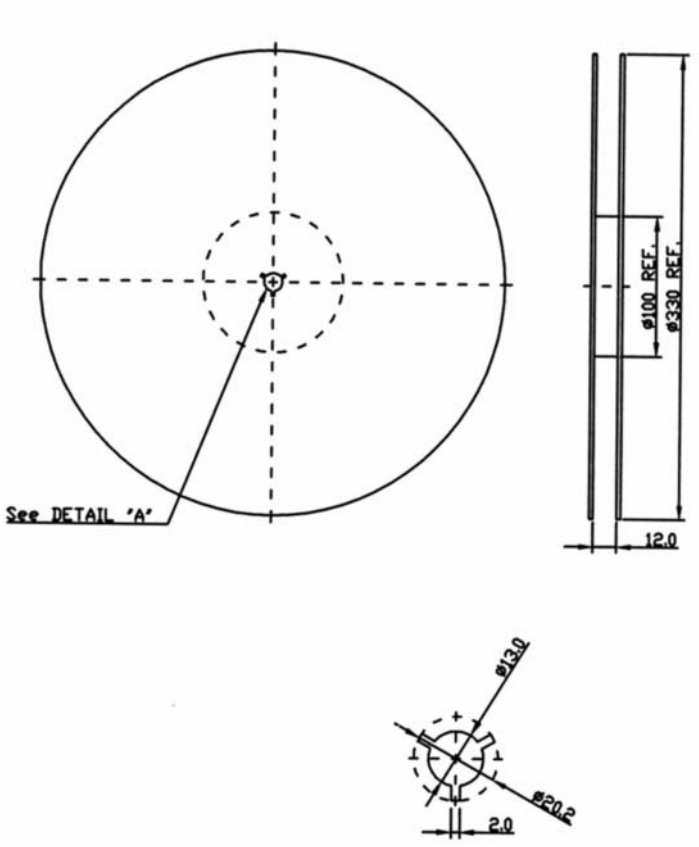


H.PCB FOOTPRINT

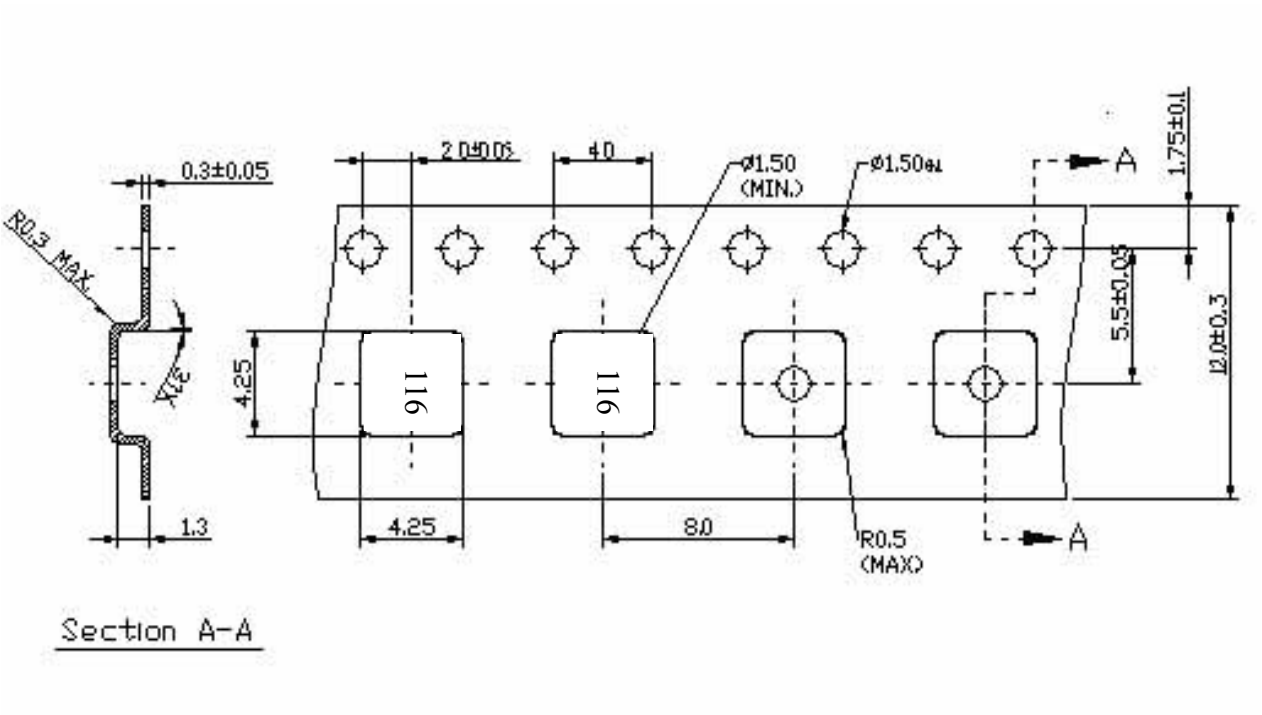


I. PACKING:

1.REEL DIMENSION



2.TAPE DIMENSION



J. REFLOW PROFILE

