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 418 MHz TO-39

TST Parts No.: TC0116A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Paul Ni

Approval by: Francis Chen

Date: 2008/7/29

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SAW Resonator 418 MHz

MODEL NO.: TC0116A REV. NO.:1

A. FEATURES:

1. 1-Port Resonator.

RoHS Compliant

Lead-free soldering

B. MAXIMUM RATING:

1.Input Power Level: 0 dBm

2.DC voltage: 12 V

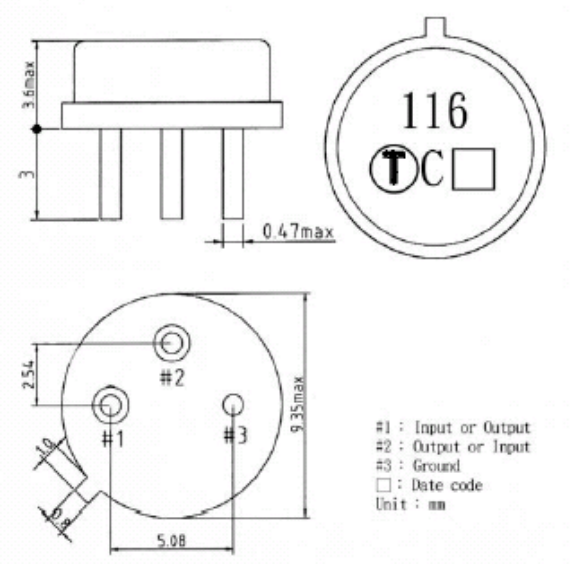
3.Operating Temperature: -40°C to +85°C

4.Storage Temperature: -40°C to +85°C

C. ELECTRICAL CHARACTERISTICS:

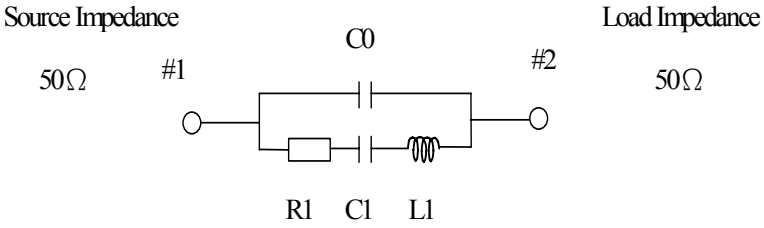
Characteristic	Units	Minimum	Typical	Maximum
Center frequency **Fr**	**MHz**	417.925	418	418.075
Insertion Loss **IL**	**dB**	-	1.5	2.5
Unloaded Quality factor		6000		
Aging of Fc	**ppm**		10	10/year
Equivalent Elements				
Motional capacitance **C1**	**fF**	-	2.63	-
Motional inductance **L1**	**μH**	-	55.07	-
Motional resistance **R1**	**Ohm**	-	14.0	-
Parallel capacitance **Co**	**pF**	-	4.14	-
Temp.coeff.	**ppm/c*2**	-	0.032	-
Turnover To	**deg.C**	-	40	-
Package size		TO-39		

D.OUTLINE DRAWING:

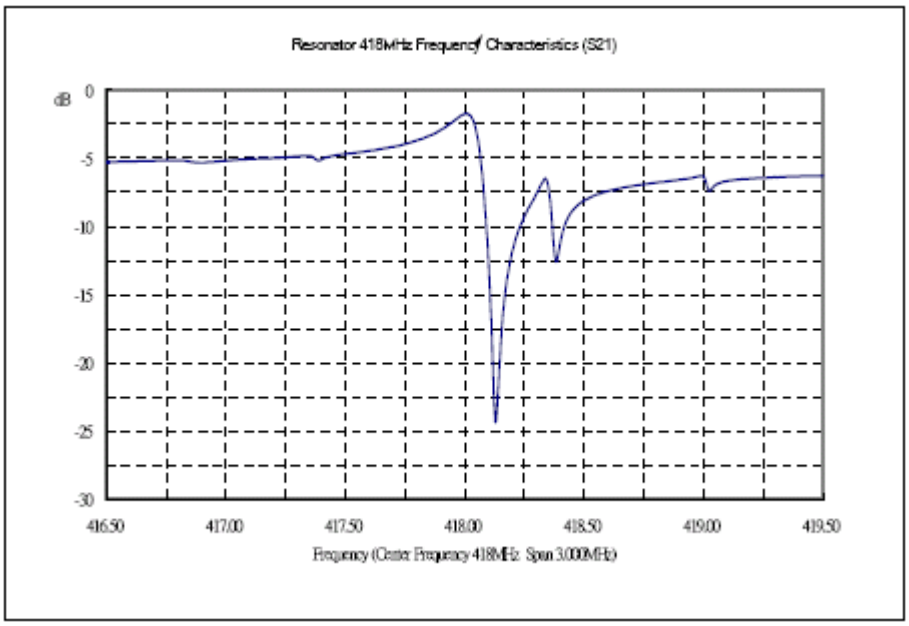


E.EQUVIRENT CIRCUIT:

One-Port Resonator:

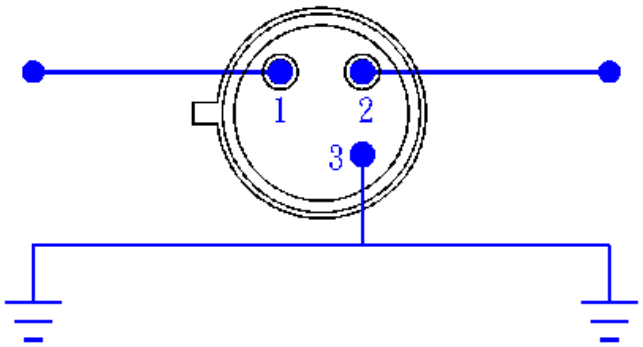


F.FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:

From 50Ω Network Analyzer



To 50Ω Network Analyzer