



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 315MHz

TST Parts No.: TC315E1-A

Customer Parts No.: _____

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

Checked by: _____ YJ Tien

Approval by: _____ Francis Chen

Date: _____ 1,28 ,2003



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

SAW Resonator 315 MHz

MODEL NO.: TC315E1-A

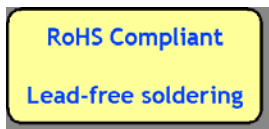
REV. NO.:3

A. FEATURES:

1. 1-Port Resonator.

B. MAXIMUM RATING:

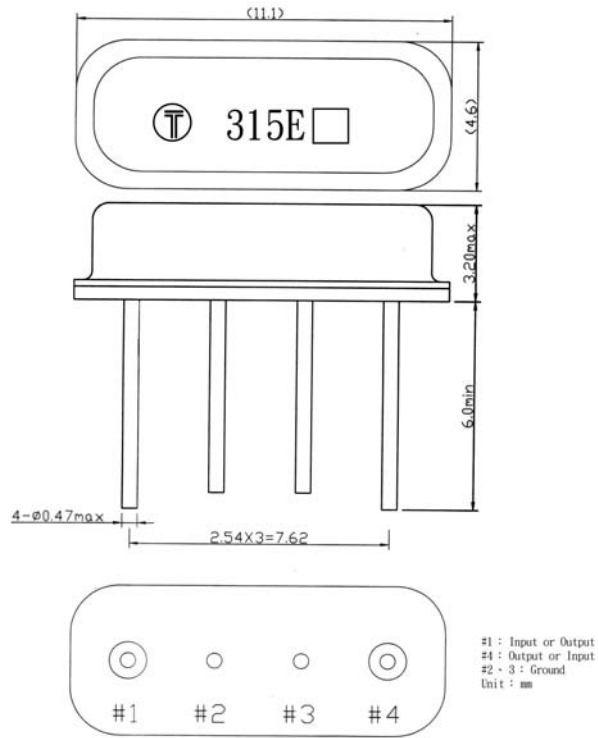
1. Power Dissipation: 0 dBm.
2. DC voltage: 12 V.
3. Storage Temperature: -40 °C to 85 °C.
4. Operating Temperature: -40 °C to 85 °C



C. ELECTRICAL CHARACTERISTICS:

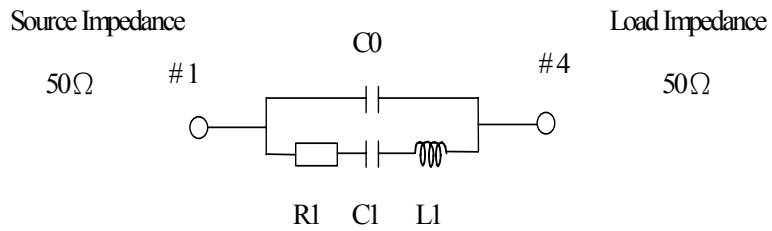
Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	314.925	315	315.075
Insertion Loss IL	dB	-	1.0	2.0
Unloaded Quality factor		-	12000	-
Equivalent Elements				
Motional capacitance C1	fF	-	3.53	-
Motional inductance L1	μH	-	72.3	-
Motional resistance R1	Ohm	-	11.8	25
Parallel capacitance Co	pF	-	4.8	-
Temp. coeff.	ppm/ c*2	-	0.032	-
Turnover To	deg.C	35	-	65
Package size			F-11	

D.OUTLINE DRAWING:

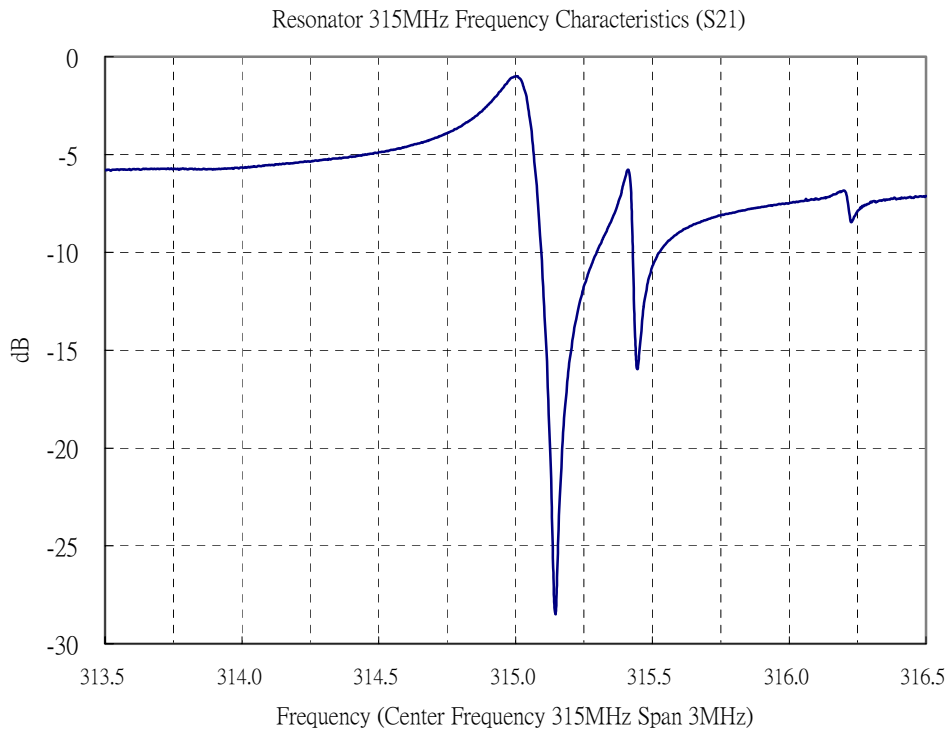


E.EQUIVRENT CIRCUIT:

One-Port Resonator:



F. FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:

