



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 314.95MHz, TO39

TST Parts No.: TC314E2

Customer Parts No.: _____

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

Checked by: Paul Ni

Approval by: Francis Chen

Date: Sep. 28. 2006



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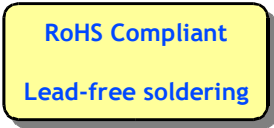
SAW Resonator 314.95 MHz

MODEL NO.: TC314E2

REV. NO.:2

A. FEATURES:

1. One-Port Resonator.



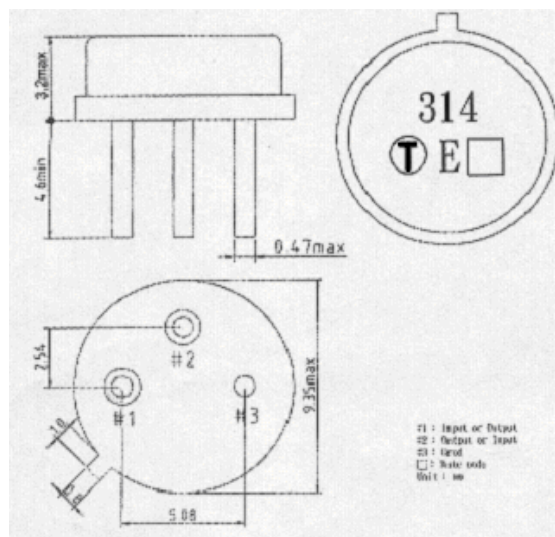
B. MAXIMUM RATING:

1. Power Dissipation : 0 dBm
2. DC voltage : 12 V
3. Storage Temperature : -40°C to +85°C
4. Operating Temperature : -20°C to +85°C
5. Turnover Temperature : 35°C Typ
6. Frequency Temperature Coefficient : 0.032 ppm/°C²

C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	314.875	-	315.025
Insertion Loss IL	dB	-	1.5	2.5
Equivalent Circuit Elements				
Parallel Capacitance Co	pF	3	3.6	4
Motional Resistance R1	Ohm	-	12.6	29
Motional Inductance L1	μH	-	83	-
Motional Capacitance C1	fF	-	3.1	-

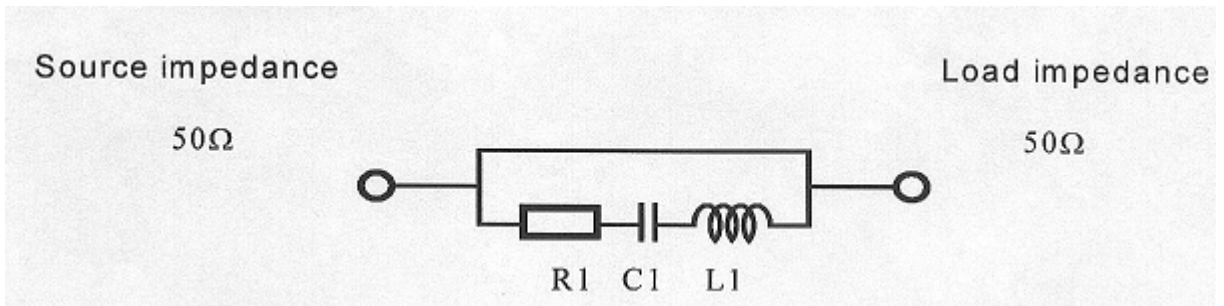
D. OUTLIN DRAWING:



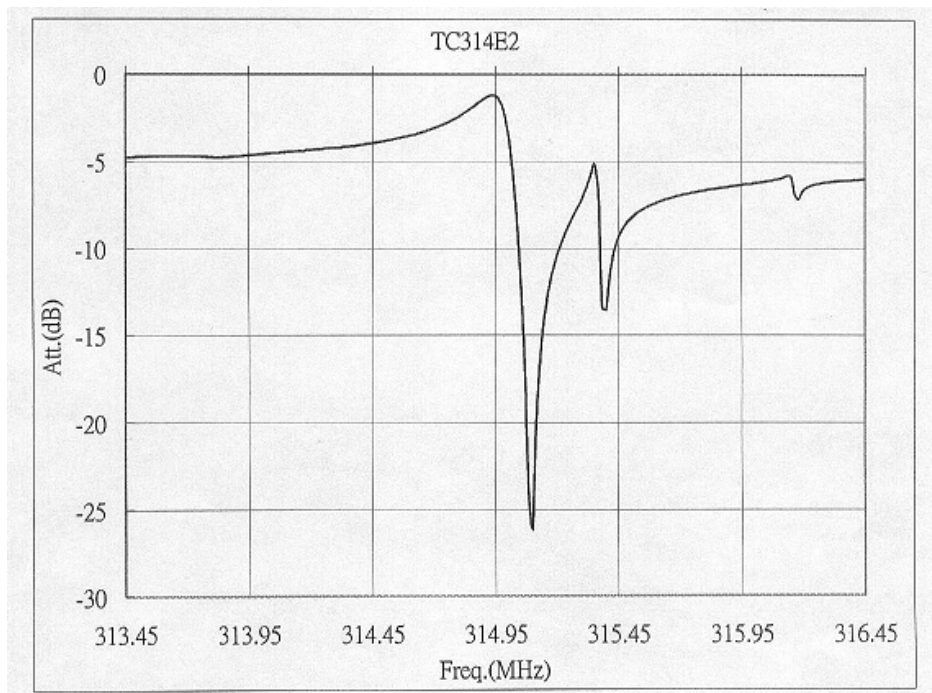
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TST DCC
Release document

E. EQUIVRENT CIRCUIT:



F. FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:

