



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 744.8 MHz SMD 3.8X3.8 mm

TST Parts No.: TC0305A

Customer Parts No.: _____

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

Checked by: Asin Lin

Approval by: Francis Chen

Date: 2005/10/07



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 744.8 MHz

MODEL NO.: TC0305A

REV. NO.:1

A. FEATURES:

- 1-Port Resonator.

RoHS Compliant
Lead free
Lead-free soldering

B. MAXIMUM RATING:

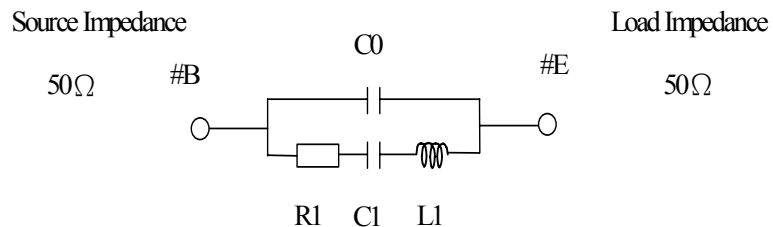
1. Input Power Level: 0 dBm
2. DC voltage: 12 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

C. ELECTRICAL CHARACTERISTICS:

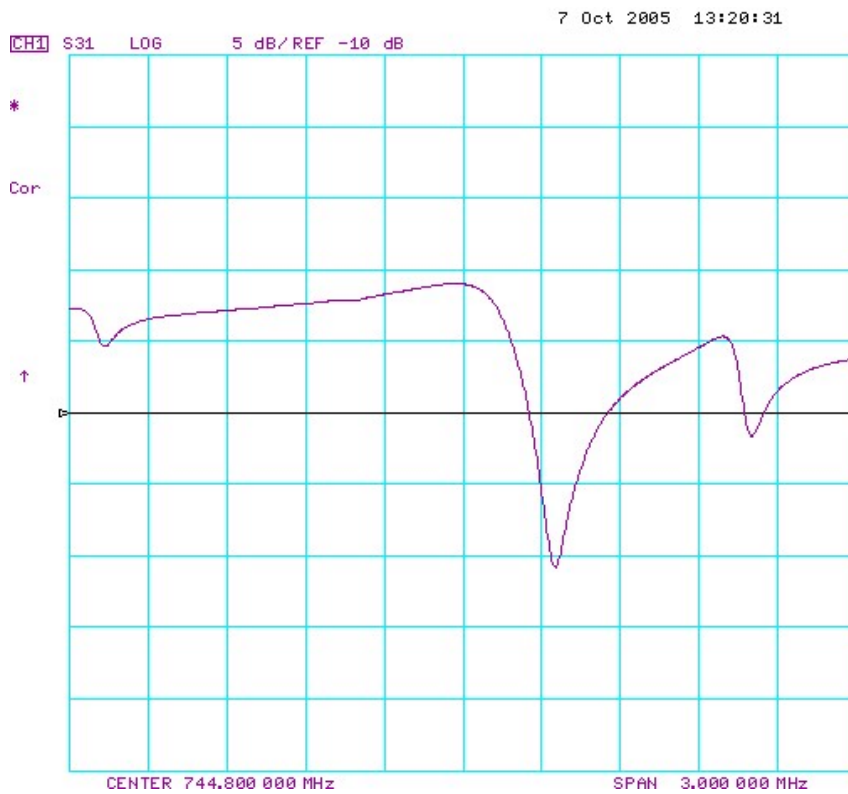
Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	744.675	744.8	744.925
Insertion Loss IL	dB	-	1.2	2.0
Equivalent Elements				
Motional capacitance C1	fF	-	1.596	-
Motional inductance L1	μH	-	28.67	-
Motional resistance R1	Ohm	-	15.96	-
Parallel capacitance Co	pF	-	2.754	-
Temp. coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	-	25	-
Package size		SMD 3.8X3.8X1.4mm		

D. EQUIVIRENT CIRCUIT:

One-Port Resonator:



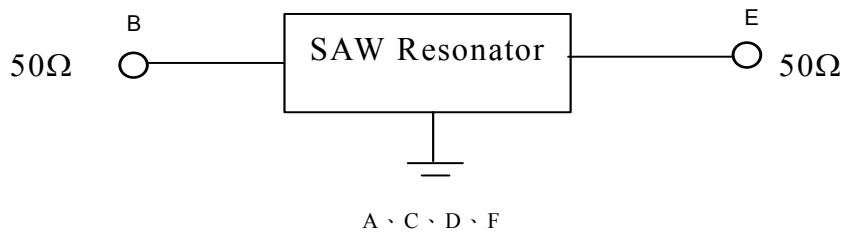
E. FREQUENCY CHARACTERISTICS:



F. TEST CIRCUIT:

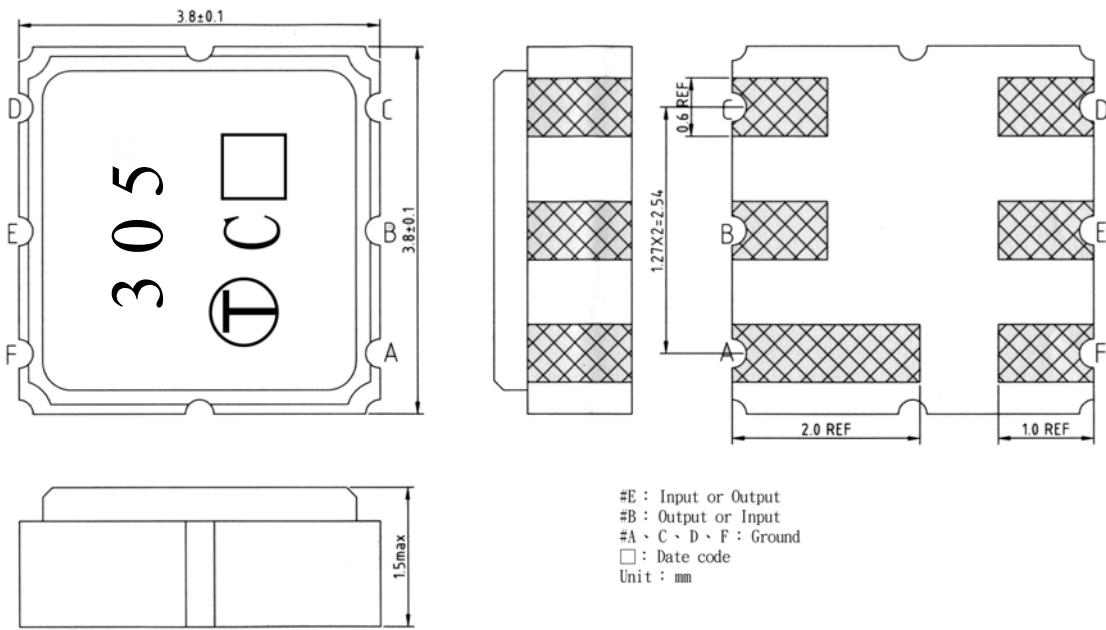
Network analyzer

From 50Ω
Network
Analyzer



To 50Ω
Network
Analyzer

G. OUTLINE DRAWING:

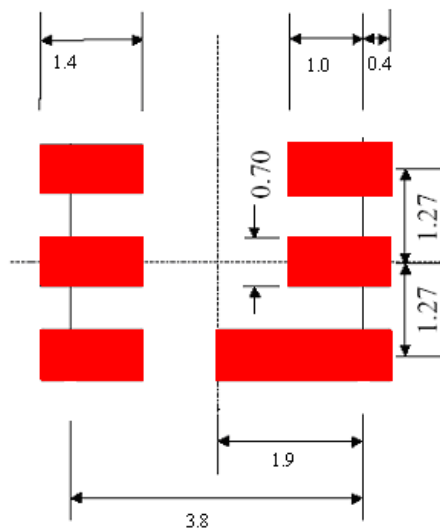


□ Date code: Provided by planer each year

Product Year Code

Year	2001 2005	2002 2006	2003 2007	2004 2008
Product Code	C	c	C	c

H. PCB Foot Print:



I. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

