



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Resonator 644.769 MHz SMD 3.8X3.8 mm

TST Parts No.: TC0308A

Customer Parts No.: _____

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

Checked by: _____ Asin Lin

Approval by: _____ Francis Chen

Date: _____ 2005/11/21



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SAW Resonator 644.769 MHz

MODEL NO.: TC0308A

REV. NO.:1

A. FEATURES:

- 1-Port Resonator.

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

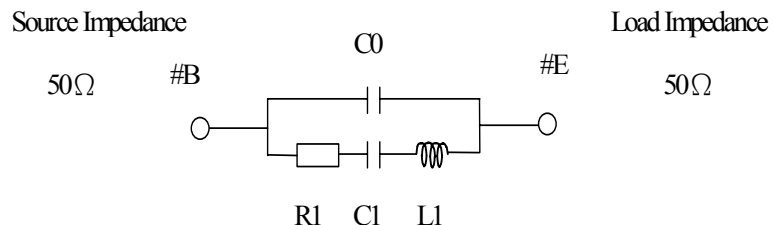
C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	644.729	644.769	644.809
Insertion Loss IL	dB		1.1	2.0
Unloaded Quality factor		-	10417	-
Equivalent Elements				
Motional capacitance C1	fF	-	1.60	-
Motional inductance L1	μH	-	36.01	-
Motional resistance R1	Ohm	-	14.08	-
Parallel capacitance Co	pF	-	2.76	-
Temp. coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	-	25	-
Package size		SMD 3.8X3.8X1.4mm		

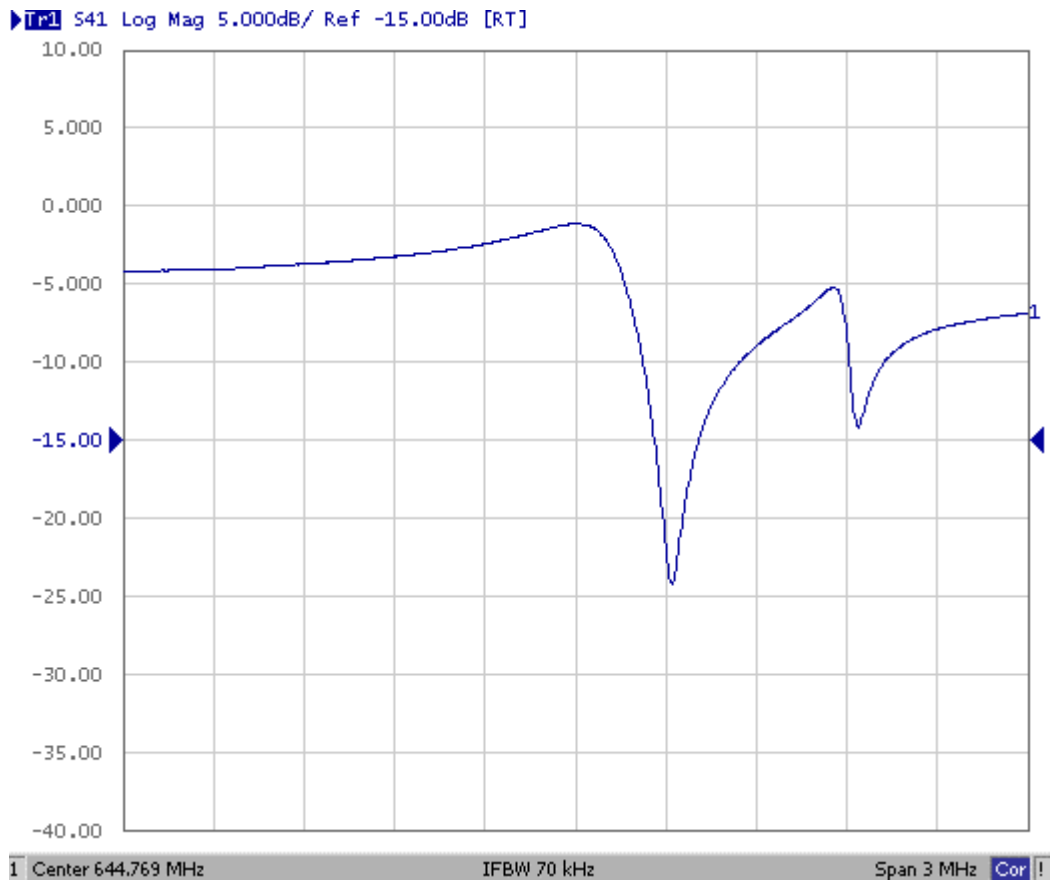
RoHS Compliant
Lead free
Lead-free soldering

D. EQUIVIRENT CIRCUIT:

One-Port Resonator:



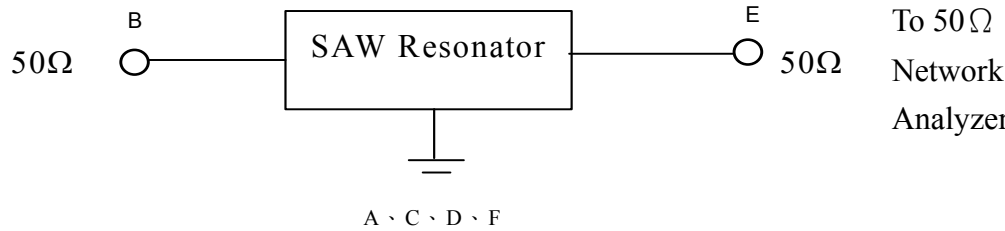
E. FREQUENCY CHARACTERISTICS:



F. TEST CIRCUIT:

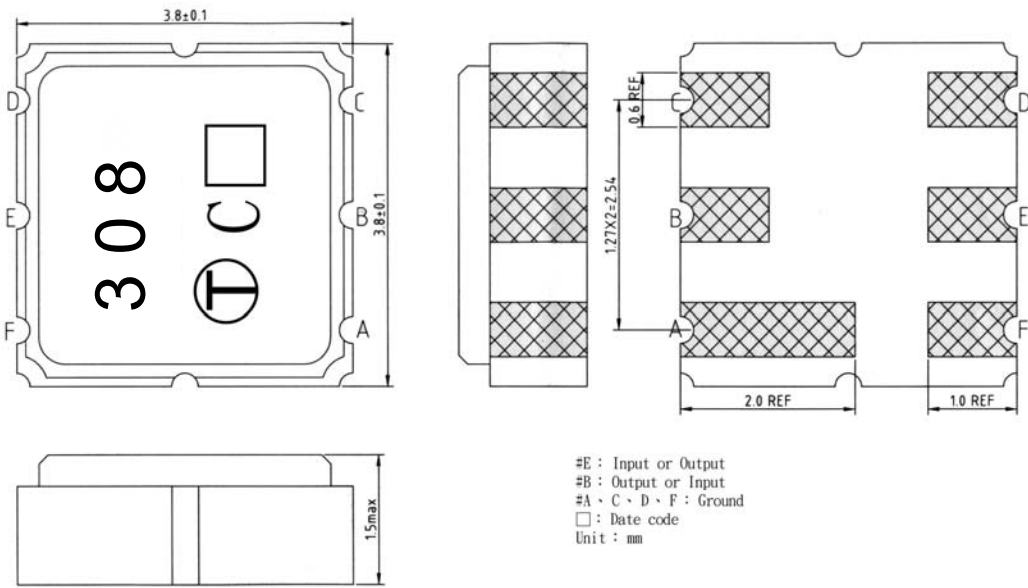
Network analyzer

From 50Ω
Network
Analyzer



To 50Ω
Network
Analyzer

G. OUTLINE DRAWING:

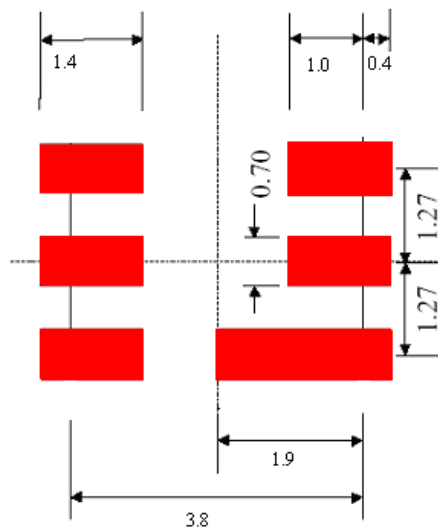


Date code: Provided by planer each year

Product Year Code

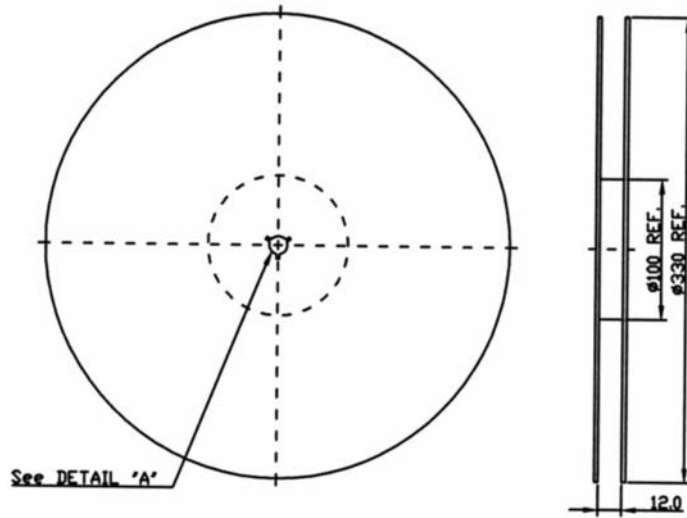
Year	2001	2002
	2003	2004
	2005	2006
	.	.
Product Code	C	c

H. PCB FOOTPRINT:



I. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

