



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 947.5MHz SMD 3.0×3.0mm

TST Parts No.:TA0373A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Elvis Chiu

Approval by:_____Francis Chen

Date:_____2004/08/30



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SAW Filter 947.5 MHz

MODEL NO.: TA0373A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: 15°C to +35°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

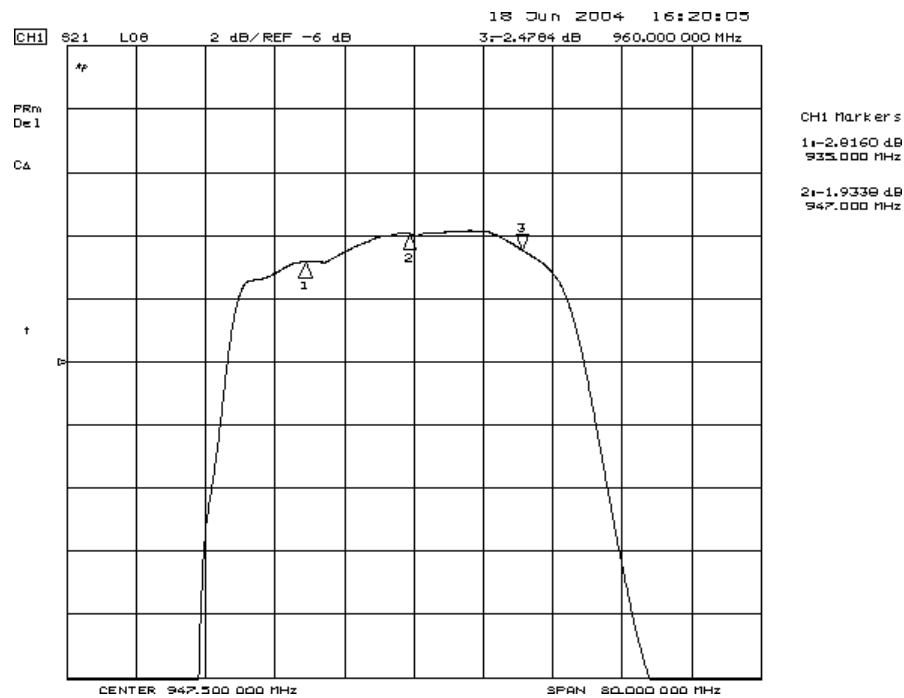
B. ELECTRICAL CHARACTERISTICS:

Item		Specification			
		Unit	Min.	Typ.	Max.
Center Frequency	F _c	MHz	-	947.5	-
Insertion Loss	935~960 MHz	dB	-	2.9	4.3
Ripple	935~960 MHz	dB	-	1.2	2.4
Absolute Attenuation					
800 ~ 900	MHz	dB	40	47	-
1050 ~ 1095	MHz	dB	40	47	-
Source impedance	Z _s	Ω	-	50	-
Load impedance	Z _L	Ω	-	50	-

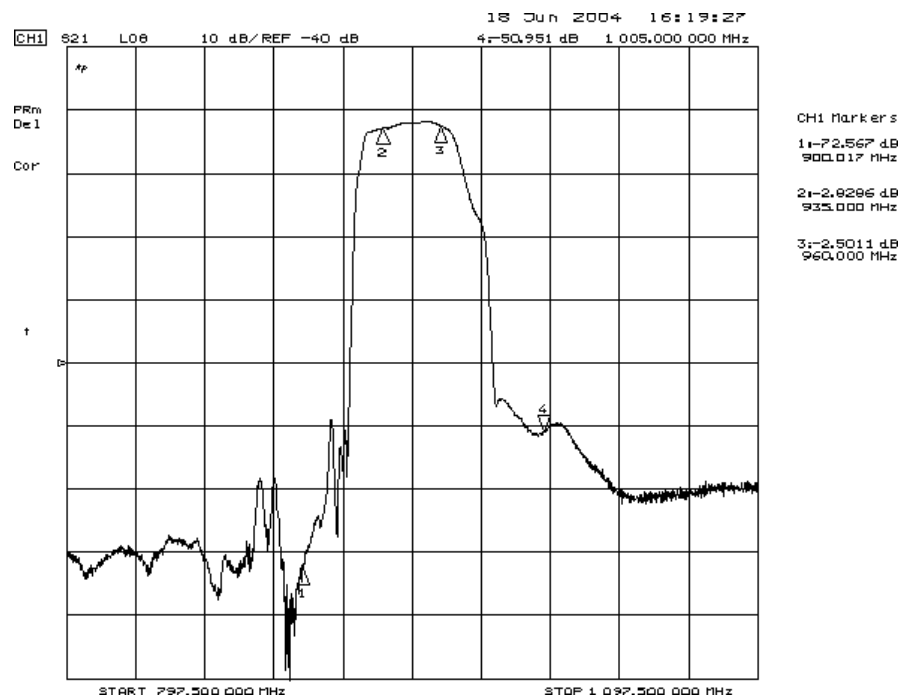
Note1. No matching network required for operation at 50 Ω

C. Frequency Characteristics :

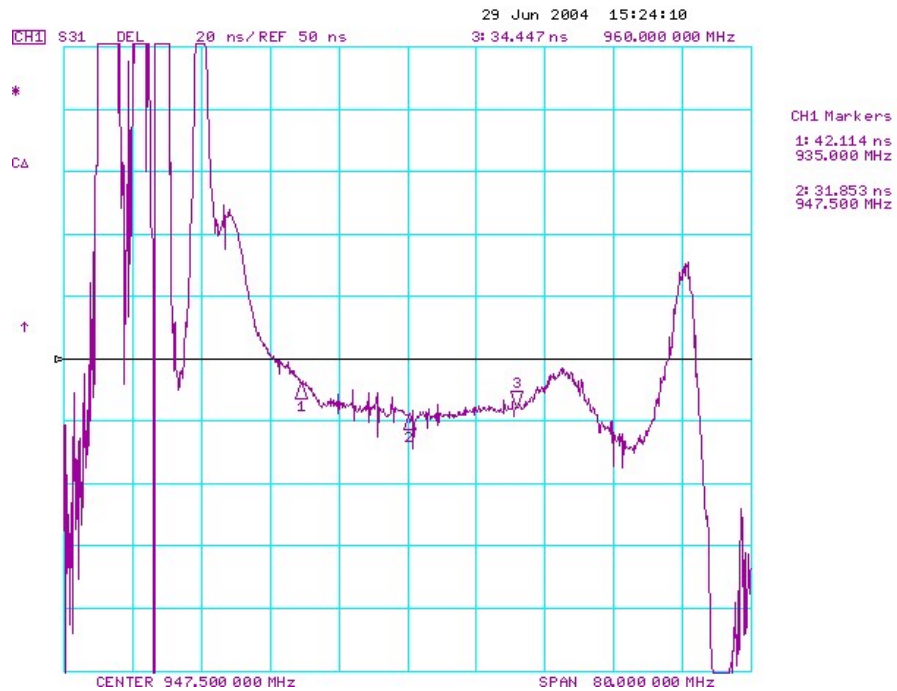
Inband



Wideband

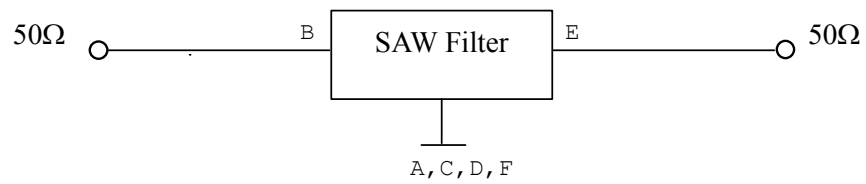


Group delay

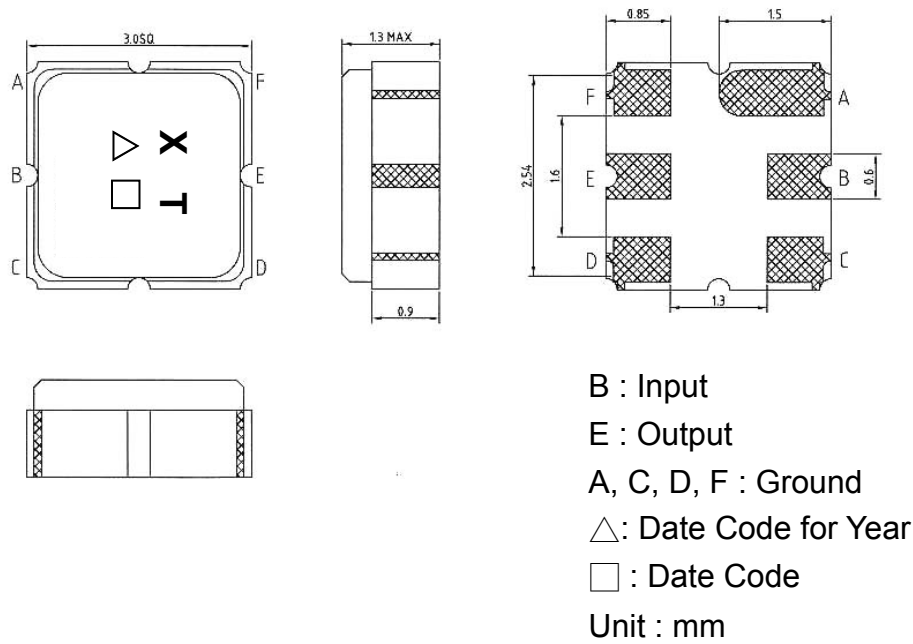


D.MEASUREMENT CIRCUIT:

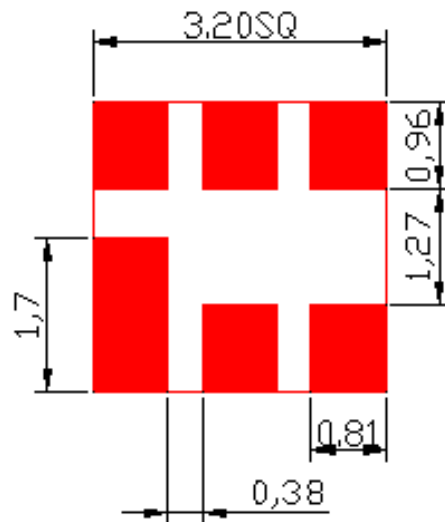
HP Network analyzer



E.OUTLINE DRAWING:



F. PCB Footprint:



1. REEL DIMENSION

See DETAIL "A"

120

100 REF.

330 REF.

ø130

0.3

R0.3 (MAX.)

1.4

SECTION A-A

2.0

4.0

$\phi 1.5$

3.35

3.35

8.0

$\phi 1.5$

1.75

5.5

12.0

R0.5 (TYP.)

Direction of Feed

SECTION B-B