



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 902.5MHz

TST Parts No.:TA0747B

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Anne Chen 

Approval by:_____ Francis Chen 

Date:_____ 2008/08/01



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SAW Filter 902.5 MHz

MODEL NO.: TA0747B

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: +20 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

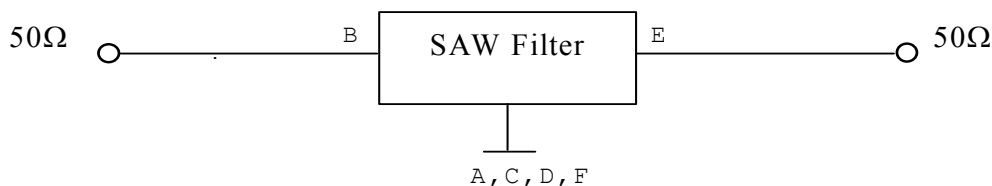
B. ELECTRICAL CHARACTERISTICS:

Characteristics			Specification			Note
			Min.	Typ.	Max	
Center frequency	F_c	MHz	-	902.5	-	-
Insertion loss(890~915 MHz)	I.L.	dB	-	2.9	3.5	-
V.S.W.R(890~915 MHz)			-	1.5	2.3	-
Ripple(890~915 MHz)		dB	-	0.5	1.5	-
Attenuation:(Reference level from 0 dB)						
1) 0 ~ 845 MHz		dB	45	51.0	-	-
2) 925 ~ 935 MHz		dB	5	21.0	-	-
3) 935 ~ 980 MHz		dB	25	28.0	-	-
4) 980 ~ 1200 MHz		dB	50	56.0	-	-
5) 1200~3000 MHz		dB	25	28.0	-	-
Impedance at F_c ; Input	$Z_{IN}=R_{IN}/C_{IN}$		50Ω // 0 PF			1
Output	$Z_{OUT}=R_{OUT}/C_{OUT}$		50Ω // 0 PF			1

Note1. No matching network required for operation at 50 Ω

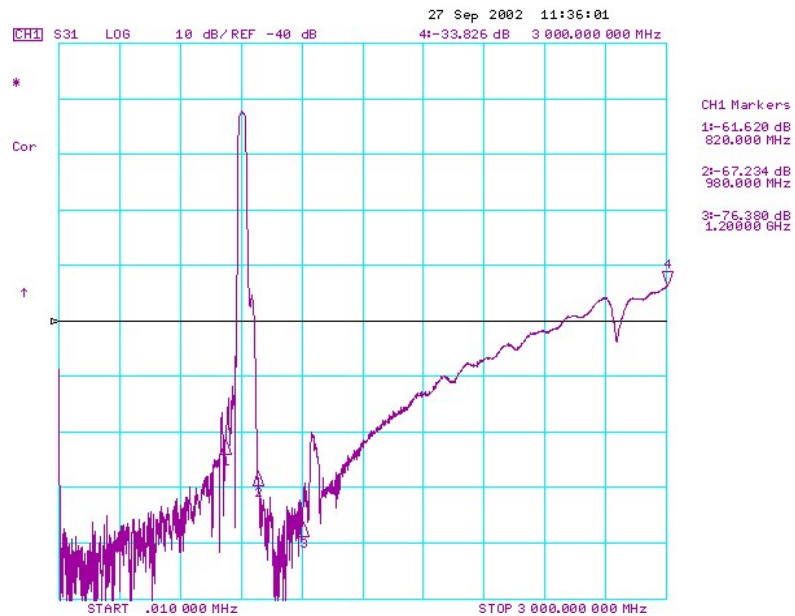
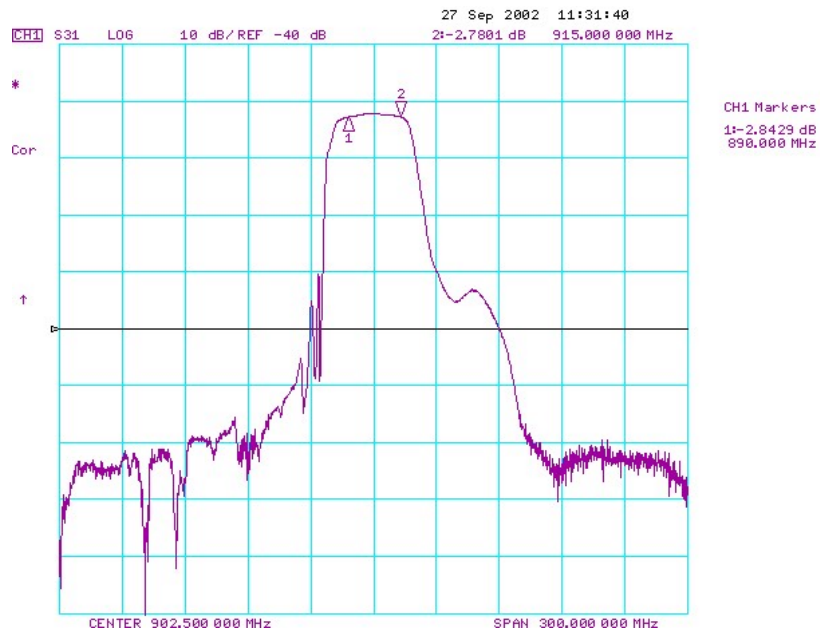
C. MEASUREMENT CIRCUIT:

HP Network analyzer



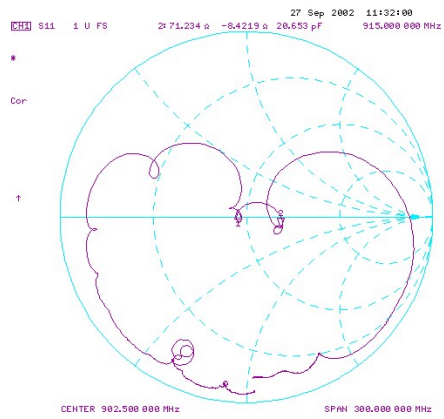
D. Frequency Characteristics :

1.wide band of S21

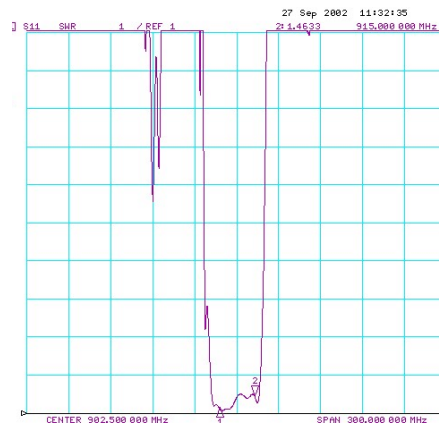


E. Reflections Functions :

S11

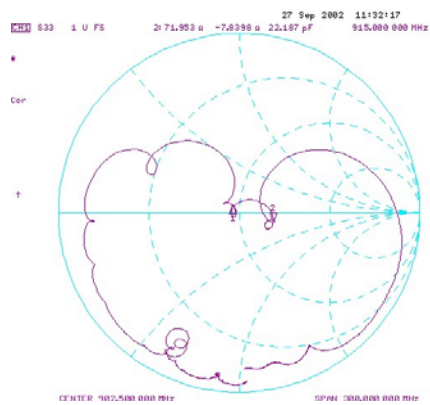


CH1 Markers
1: 45.205 a
2: 3.3652 a
3: 890.000 MHz

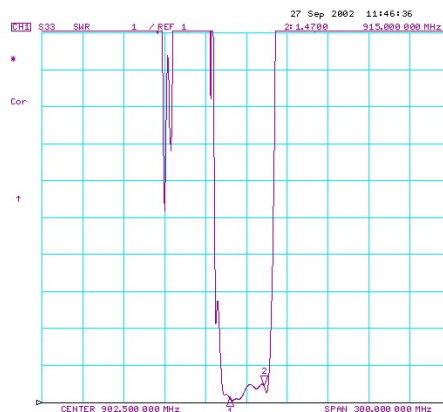


CH1 Markers
1: 1.1380
3: 890.000 MHz

S22

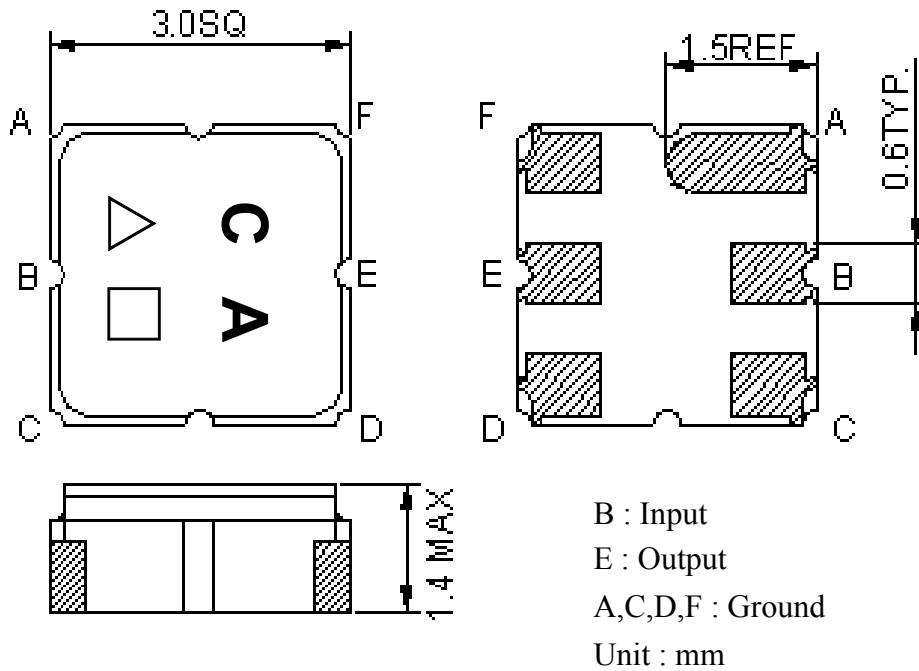


CH1 Markers
1: 45.877 a
2: 3.7450 a
3: 890.000 MHz



CH1 Markers
1: 1.1277
3: 890.000 MHz

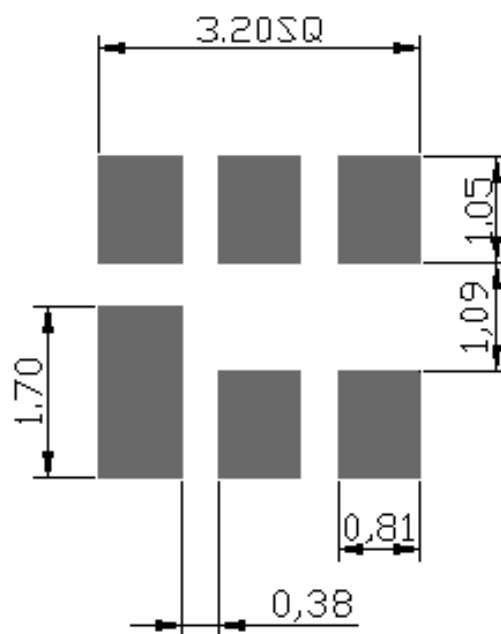
F.OUTLINE DRAWING:



△ : Year Code (2006->6, ..., 2009->9)

□ : Date Code (Follow the table from planner each year)

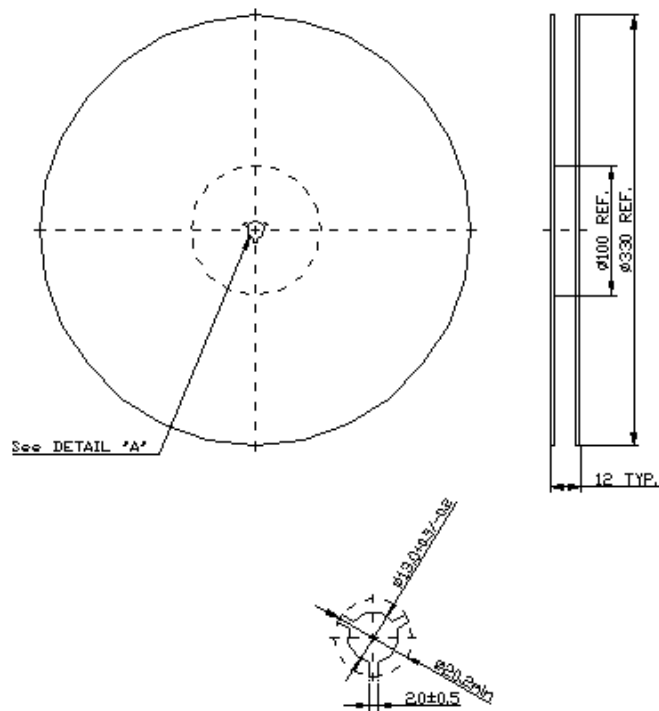
G. PCB Footprint:



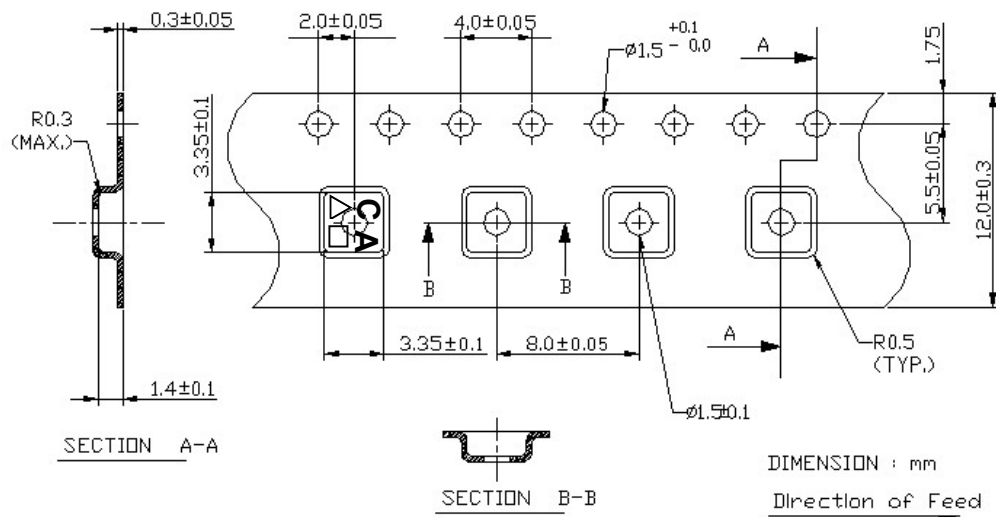
H. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=1000 ; 13"=3000)



2.TAPE DIMENSION



I. RECOMMENDED REFLOW PROFILE :

